

Getting started

Importing and transferring
audio data

Playing audio data

Editing tracks in the HDD
Jukebox

Network connection and
setup

Using the unit connected
to the Internet

Using the Home Network
function

Other settings

Troubleshooting

Precautions/Specifications

SONY®

GIGA JUKE

SONY

HDD Network Audio System NAS-S55HDE

HDD Network Audio System
Operating Instructions

NAS-S55HDE

© 2008 Sony Corporation



MP3 ATRAC WMA

HDD LinearPCM
HARD DISK DRIVE

<http://www.sony.net/>

Printed in Malaysia



* 3 2 7 7 2 2 8 1 3 * (1)

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc.

Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

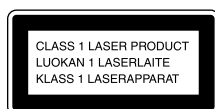
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine fire or the like.

Excessive sound pressure from earphones and headphones can cause hearing loss.

CAUTION

The use of optical instruments with this product will increase eye hazard.



This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU Directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan.

The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany.

For any service or guarantee matters, please refer to the addresses given in separate service or guarantee documents.

Wireless Adaptor UWA-NA1



The Wireless Adaptor UWA-NA1 contained in this package is intended to be used in the following countries:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IT, NL, NO, PL, PT, SE

Hereby, Sony Corp., declares that this Wireless Adaptor (supplied with the unit) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL: <http://www.compliance.sony.de/>

For customers who use this product in the following countries:

France

The WLAN feature of this Wireless Adaptor shall exclusively be used inside buildings.

Any use of the WLAN feature of this Wireless Adaptor outside of the buildings is prohibited on the French territory. Please make sure that the WLAN feature of this Wireless Adaptor disabled before any use outside of the buildings. (ART Decision 2002-1009 as amended by ART Decision 03-908, relating to radio-frequencies use restrictions).

Italy

Use of the RLAN network is governed:

- with respect to private use, by the Legislative Decree of 1.8.2003, no. 259 ("Code of Electronic Communications"). In particular Article 104 indicates when the prior obtainment of a general authorization is required and Art. 105 indicates when free use is permitted;

- with respect to the supply to the public of the RLAN access to telecom networks and services, by the Ministerial Decree 28.5.2003, as amended, and Art. 25 (general authorization for electronic communications networks and services) of the Code of electronic communications.

Norway

Use of this Wireless Adaptor is not allowed in the geographical area within a radius of 20km from the centre of Ny-Alesund, Svalbard.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product. Applicable accessories: Remote control, Wireless adaptor



Pb

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.

To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Before operating the unit

About the hard disk drive

The hard disk drive is easily damaged by shock and vibration, so be sure to observe the following precautions. See page 121 for details.

- Do not subject the unit to strong shocks.
- Do not move the unit while the power cord is connected to the wall outlet.
- Do not use the unit in a location subject to vibrations or in an unstable location.
- Do not move the unit or disconnect the power cord while the unit is recording or playing.
- Do not attempt to replace or upgrade the hard disk drive by yourself, as this may result in a malfunction.

Any data that is lost due to a malfunction in the hard disk drive cannot be recovered.

Data recorded to the hard disk drive may be damaged during ordinary operations. Make sure to use the unit's backup function to back up the data regularly to an optional USB hard disk or a shared folder on your computer.

Sony cannot provide compensation for any destruction of data caused by a damaged hard disk drive.

On recording

- Make a trial recording before making the actual recording, especially when recording important material.
- Sony cannot provide compensation for any failure in recording caused by a malfunction in this unit.

Malfunctions that occur during the normal use of the unit will be repaired by Sony in accordance with the conditions defined in the limited warranty for this unit. However, Sony will not be liable for any consequences arising from a failure to record or play caused by a damaged or malfunctioning unit.

About services that can be used in conjunction with an Internet connection

Please note that Internet-based services are subject to change or termination without notice.

About the supplied instruction and support information

① Operating Instructions



This manual provides full explanations of the various settings, operations and the network connection procedure. This manual also contains precautions for the safe use of the unit.

② Customer support site of Sony Europe

Refer to this Web site for the latest support information and FAQs.

For customers in Europe:

<http://support.sony-europe.com/>

About the illustrations used in this manual

Illustrations used in this manual are based on the model other than the UK model. Illustrations and displays may differ from the represented item.

How to use this manual

This manual explains how to operate the unit mainly using the remote control. Buttons and controls on the main unit with the same or similar name as that on the remote control can be used to perform the same operations.

HDD: This mark identifies HDD Jukebox functions.

CD: This mark identifies CD functions.

Table of Contents

	Before operating the unit.....	4
	Features on this unit.....	10
<hr/>		
Getting started	Checking the supplied accessories.....	12
	Guide to parts and controls.....	13
	Remote control.....	13
	Top of the main unit	16
	Front of the main unit	17
	Display	18
	Connecting the speakers and antennas	20
	Turning on the power	23
	Selecting the display language.....	25
	Setting the clock.....	26
<hr/>		
Importing and transferring audio data	About importing and transferring audio data.....	27
	Setting up the unit for recording or importing	29
	To change the recording destination in the HDD Jukebox.....	32
	Importing audio data to the HDD Jukebox	33
	Recording from a CD, a radio broadcast, DAB service*, or externally connected component	33
	Importing audio data from a "WALKMAN" or a USB storage device	34
	Importing files from a computer.....	35
	Transferring audio data from the HDD Jukebox	36
	Transferring audio data to a "WALKMAN" or a portable device	36
	Transferring audio data to a USB storage device	37
	Changing the transfer settings.....	38
	Deleting tracks or playlists on the destination device	40

Playing audio data	Playing the HDD Jukebox.....	41
	Checking album or track information	42
	Registering desired tracks to playlist.....	42
	Playing audio data in different listing modes	43
	Searching for albums or tracks	44
	Playing tracks using x-DJ	45
	Using x-DJ.....	47
	Using Music Surfin'	48
	Moving a track from one channel to another	49
	Setting up x-DJ	49
	Transferring x-DJ channels.....	50
	Playing a CD	51
	Viewing information for a CD.....	53
	Listening to the radio or DAB services.....	54
	Performing DAB Initial Scan*	54
	Selecting a radio station	54
	Receiving a DAB service*	55
	Presetting radio stations or DAB services*	56
	Connecting a digital media player to DMPORT (DIGITAL MEDIA PORT).....	58
	Connecting an external component (AUDIO IN)	59
	Repeat play · Shuffle play	61
Editing tracks in the HDD Jukebox	Searching and obtaining title information	63
	Saving image files	64
	Editing	66
	Changing titles	66
	Creating a playlist.....	66
	Deleting recordings	67
	Moving recordings	68
	Dividing recorded tracks.....	68
	Combining recorded tracks	69
	Creating a folder or a group.....	70
	Converting the audio format of tracks.....	71
	Entering text.....	72
	Entering text.....	73

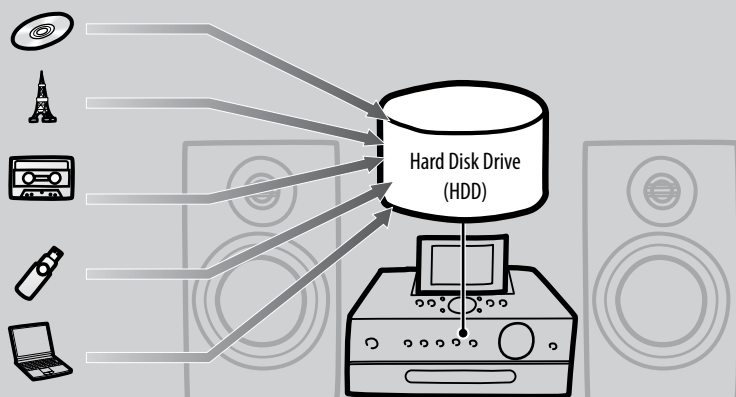
Network connection and setup	Connecting the unit to the Internet 74 Connecting the unit to the Internet through a wireless network 75 About installing the wireless adaptor 75 Connecting and setting up a wireless network (AOSS setup)..... 75 Searching the access point and setting up the wireless network..... 76 Connecting the unit to the Internet through a wired network..... 78 Preparations for a wired connection 78 Connecting and setting up a wired network (Automatic setting) 79 Confirming and changing the network settings 81 Checking the network status 81 Setting up the IP address/proxy server 82
Using the unit connected to the Internet	What you can do through an Internet connection 83 Obtaining the latest title information..... 84 Importing files from a shared folder on the computer 85 Setting the clock through an Internet connection 86
Using the Home Network function	About the server and client functions of the unit 87 Using the unit as a server 89 Listening to the same track in different rooms (PARTY MODE)..... 91 Using the unit as a client 93 Listening to music stored in a computer 93 Viewing information on tracks..... 94

Other settings	Using the Sleep Timer 95 Using the Wake Up Timer 96 Using the Recording Timer 97 Recording a radio program or DAB service* using the Recording Timer 97 Recording from an external component using the Recording Timer 98 Checking the contents of a timer setting 99 Changing the unit's settings 101 Setting the display 101 Setting the standby mode 102 Setting a shared folder on a computer 103 Managing the system 104 Backing up and restoring audio data 104 Restoring backed up data 106 Checking system information 107 Updating the system application 108 Formatting the system 108 Moving track data between the unit and other components 108
Troubleshooting	Troubleshooting 110
Precautions/ Specifications	Precautions 121 About CDs 123 Specifications 124 A list of directories for each listing mode 126 Glossary 128 Index 131

Features on this unit

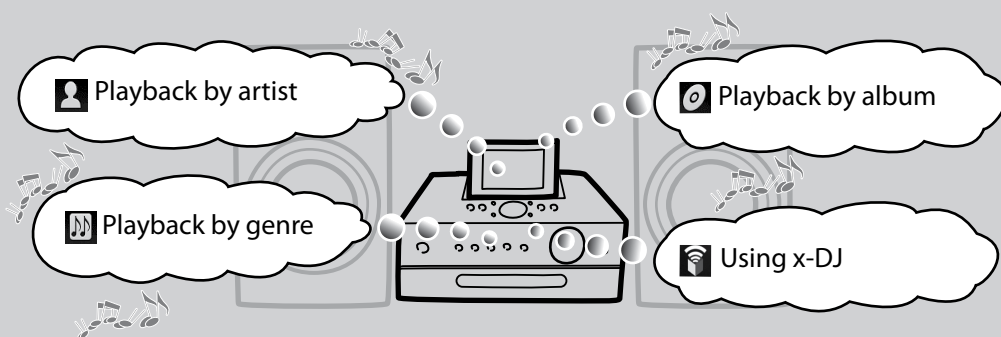
Store

You can store audio data from audio CDs, computers, etc. to the HDD Jukebox.



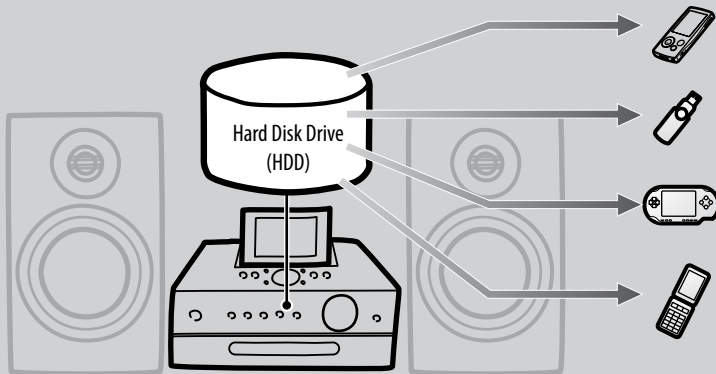
Listen

You can listen to the audio data in various ways, such as playback by artist or using the x-DJ function.



Transfer

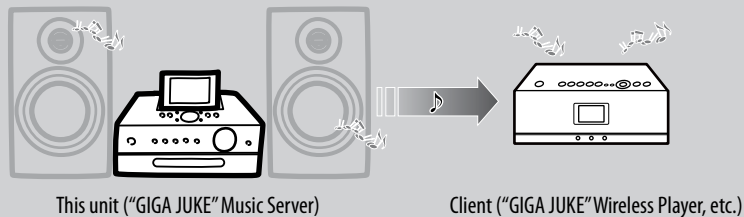
You can transfer the audio data to Walkman®, Walkman® phone, USB storage or other portable devices.



Room to Room

You can use the client device located in a different room to listen to audio data stored on a "GIGA JUKE" Music Server (Home Network function).

You can listen to the same music in different rooms (PARTY MODE).



You can also listen to audio data stored on a DLNA-compatible component with this unit.



More functions are available when you connect the unit to the Internet.

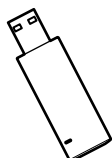
■ Obtaining title information



Checking the supplied accessories

If you find any accessories missing or damaged, please contact your nearest Sony dealer.

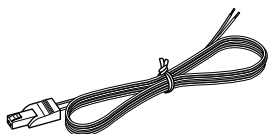
- ☐ **Wireless adaptor (1)**



- ☐ **USB extension cable (1)**



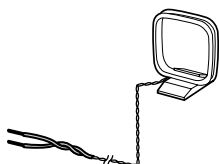
- ☐ **Speaker codes (2)**



- ☐ **Speaker pads (8)**



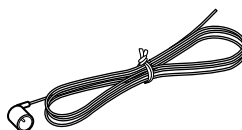
- ☐ **AM loop antenna (1)**



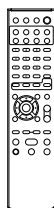
- ☐ **FM wire antenna (1)**



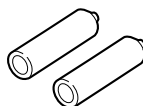
- ☐ **DAB wire antenna (1) (for the UK model only)**



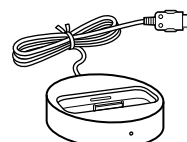
- ☐ **Remote control (1)**



- ☐ **R6 (size AA) batteries (2)**



- ☐ **DIGITAL MEDIA PORT adapter (1)**

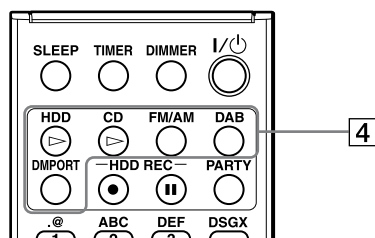


- ☐ **Operating Instructions (this manual)**
- ☐ **GNU General Public License/GNU Lesser General Public License (1)**
- ☐ **License agreement for SONY software (1)**

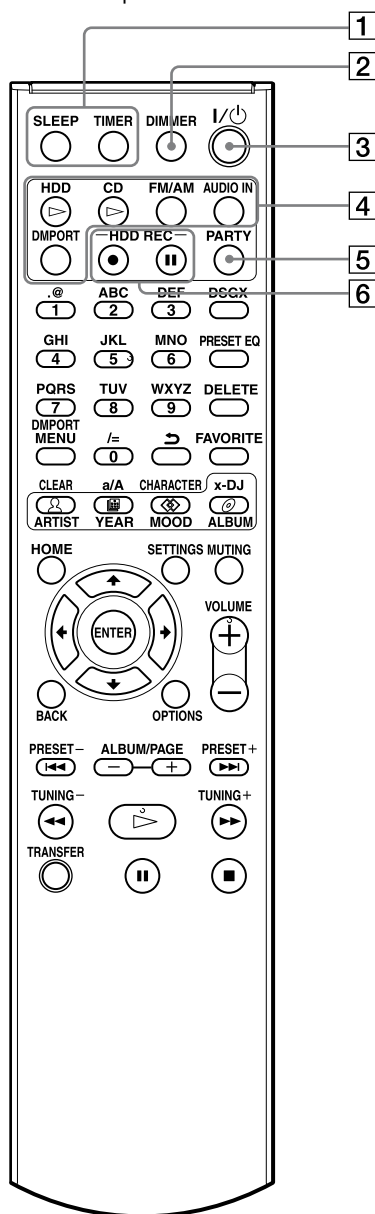
Guide to parts and controls

Remote control

UK model*



All models except the UK model



1 SLEEP and TIMER buttons

- **SLEEP button**
Use to make or confirm the sleep timer setting (page 95).
- **TIMER button**
Use to set the timer (pages 96 to 99).

2 DIMMER button

Sets the brightness of the display.

3 I/⏻ (power) button

Turns the power on or off. When you turn the power off, the unit automatically starts analyzing music data (page 45). During this time, the illumination panel slowly flashes. To cancel the analysis and turn off the power immediately, press the ■ button.

4 Function Select buttons*

Use to select the function directly. During standby mode, these buttons turn on the unit and start playback at the same time.

- **HDD▶ button** (page 41)
- **CD▶ button** (page 51)
- **FM/AM button** (page 54)
- **AUDIO IN button** (page 59) (models except the UK model)
- **DMPORT button** (page 58)
- **DAB button** (page 54) (UK model only)

5 PARTY button

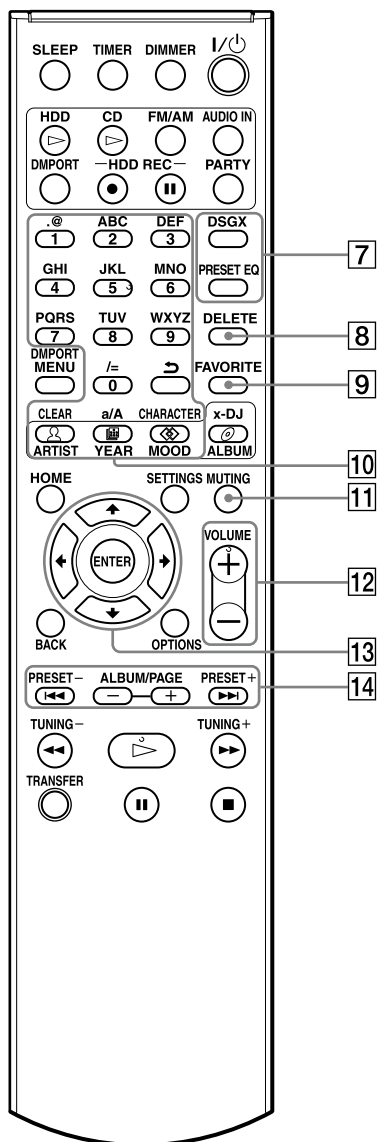
Use to activate or enter PARTY MODE (page 91).

6 HDD REC buttons

Use for recording to the HDD Jukebox.

- **HDD REC ● (start recording) button** (page 33)
- **HDD REC || (pause recording) button** (page 34)

* Function Select buttons on the UK model perform the same function as those with the same name on the models except the UK model.



An asterisk (*) indicates buttons that have a tactile dot (the number “5” button and VOLUME + button of the operation buttons).

7 DSGX and PRESET EQ buttons

- **DSGX button**
Use to generate a more dynamic sound (Dynamic Sound Generator X-tra). Each press of the button switches the DSGX function “ON” or “OFF”. This function is factory set to “ON”.
- **PRESET EQ button**
Selects a pre-set customized sound setting. Each press of the button changes the sound style as follows.
◆FLAT → ROCK → POPS → JAZZ → CLASSICAL → DANCE → FLAT →...
(◆: Factory setting)

8 DELETE button

Use in each function to delete an item (page 67).

9 FAVORITE button

Use to add a track to “Favorites” in the playlist (page 42).

10 Numeric*/text buttons

Use to select a track during play or to enter text (pages 41, 72).

11 MUTING button

Mutes the sound.

12 VOLUME+* and VOLUME- buttons

Use to adjust the volume.

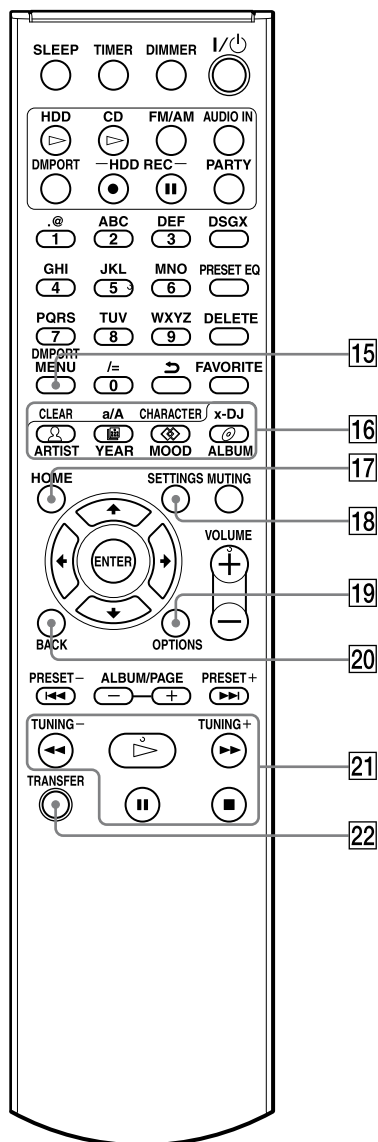
13 Menu operation buttons

Use to select menu items and enter menu settings (page 19).

- **↑, ↓, ← and → buttons**
Use to select a menu item or to change a setting.
- **ENTER button**
Use to enter a setting.

14 I◀◀ • PRESET-, ▶▶I • PRESET+, ALBUM/PAGE+ • ALBUM/PAGE- buttons

- **I◀◀ and ▶▶I buttons**
Cues the beginning of a track.
- **PRESET+ and PRESET- buttons**
Use to select a preset radio station or DAB service (UK model only).
- **ALBUM/PAGE+ and ALBUM/PAGE- buttons**
Use to select an album or a group in the main display. In a list display, use these buttons to go to the next page or the previous page (page 41).



An asterisk (*) indicates buttons that have a tactile dot (the ► (play) button of the operation buttons).

15 **DMPORT MENU button**

This button is used when the DIGITAL MEDIA PORT adapter and a digital media player are connected. Refer to the operating manual for the DIGITAL MEDIA PORT adapter.

16 **x-DJ/Music Surfin' buttons**

- x-DJ button (yellow) (page 47)
Selects and plays the x-DJ channel.
- ARTIST (blue), YEAR (red), MOOD (green) and ALBUM (yellow) buttons (page 48)
Use to select the channels of Music Surfin' during x-DJ.

17 **HOME button**

Use to select a function from the Home menu (page 19).
Press **↑/↓/←/→** to select a function and press ENTER to enter the selection. To cancel the Home menu, press HOME or BACK before pressing ENTER.

18 **SETTINGS button**

Displays the Settings menu (page 19). Use to enter clock, network and other system settings.

19 **OPTIONS button**

Displays the Options menu (page 19).
Menu items will vary according to the selected function.

20 **BACK button**

Use to go back to the previous display (page 18).

21 **Operation buttons**

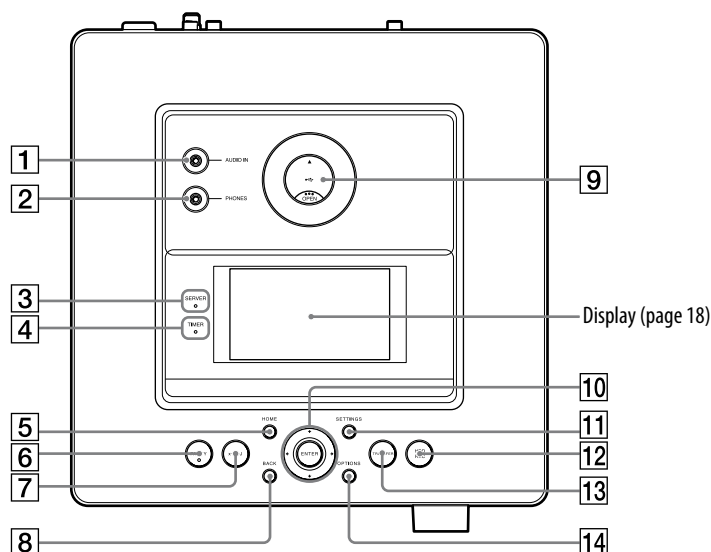
Use in all functions to perform basic operations.

- ► (play) button*
- ◀◀ (fast rewind) • TUNING- and ▶▶ (fast forward) • TUNING + buttons
- || (pause) button
- ■ (stop) button

22 **TRANSFER button**

Use to transfer tracks to a "WALKMAN" or other portable audio device (page 36).

Top of the main unit



1 AUDIO IN jack

Use to connect the audio output jack of an external component (page 59).

2 PHONES (headphones) jack

Use to connect headphones.

3 SERVER indicator

Lights up yellowish green when the unit is being used as a server and a client device is playing audio data (page 89).

4 TIMER indicator

Indicates the status of the timer (pages 95 to 97).

5 HOME button

Use to select a function from the Home menu (page 19).

Press **↑/↓/←/→** to select a function and press ENTER to enter the selection. To cancel the Home menu, press HOME or BACK before pressing ENTER.

6 PARTY button and indicator

• PARTY button

Use to activate or enter PARTY MODE (page 91).

• PARTY indicator

Lights up amber when PARTY MODE is active (page 91).

7 x-DJ button

Selects and plays the x-DJ channel (page 47).

8 BACK button

Use to go back to the previous display (page 18).

9 USB port

Use to connect a portable device such as a USB storage device or the wireless adaptor (pages 34, 36, 74).

10 Menu operation buttons

Use to select menu items and enter menu settings (page 19).

• **↑, ↓, ← and →** buttons

Use to select a menu item or to change a setting.

• ENTER button

Use to enter a setting.

11 SETTINGS button

Displays the Settings menu (page 19). Use to enter clock, network and other system settings.

12 HDD REC button

Use for recording to the HDD Jukebox (page 33).

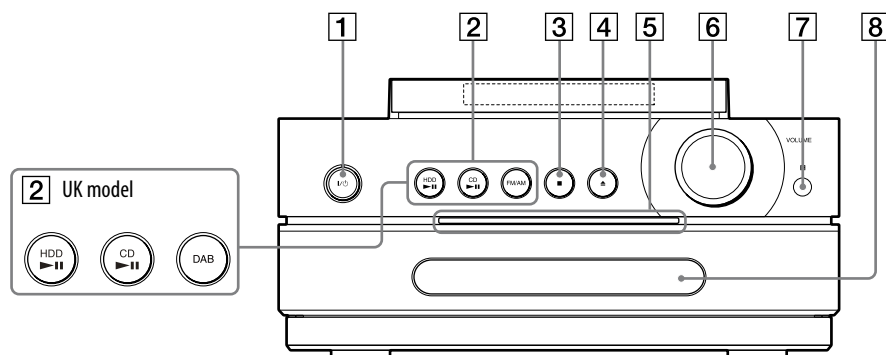
13 TRANSFER button

Use to transfer audio data to a “WALKMAN” or other portable audio device (page 36).

14 OPTIONS button

Displays the Options menu (page 19). Menu items will vary according to the selected function.

Front of the main unit



1 I/⏻ (power) button and On/Standby indicator

- I/⏻ (power) button
Turns the power on or off (page 23).
- On/Standby indicator
The color indicates the unit's power status (page 24).
— Green: The unit is on.
— Red : The unit is in standard (power save) mode.
— Orange : The unit is in quick start-up mode or is analyzing music data (page 45).

2 Function Select buttons

Use to select the function directly. During standby mode, these buttons turn on the unit and start playback at the same time.

- HDD▶|| button (page 41)
- CD▶|| button (page 51)
- FM/AM button (page 54) (models except the UK model)
- DAB button (page 54) (UK model only)

3 ■ (stop) button

Use in each function to stop an operation.

4 CD⏮ button

Opens and closes the disc tray (page 51).

5 Illumination panel

Lights up when the power is turned on. Flashes slowly when the unit is analyzing music data recorded to the HDD Jukebox (pages 24, 45).

6 VOLUME dial

Use to adjust the volume.

7 Remote sensor

8 Disc tray

Use to load a CD (page 51).

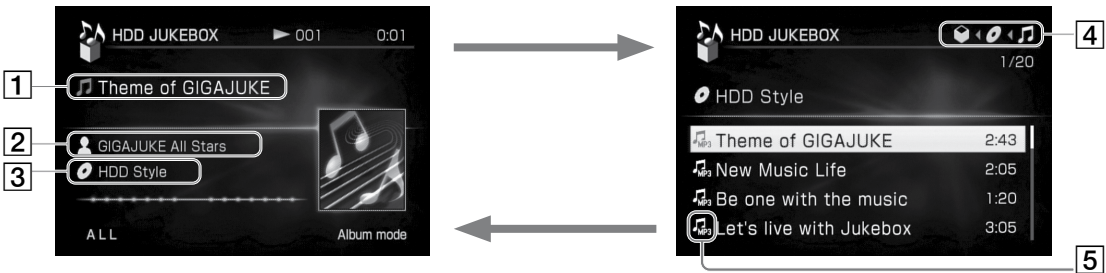
Display

This section describes the main items that appear in each display.

Main display

List display

Press **↑/↓/←/→**.



Press **←** repeatedly to select the leftmost directory icon, and then press BACK. Or, if no operation is made for 60 seconds, the unit automatically returns to the main display.

- 1 Track name
- 2 Artist name
- 3 Album name

- 4 Directory icons
Shows which directory is currently selected.
Press **←** or **→** to move between different directories.

- 5 Track icon

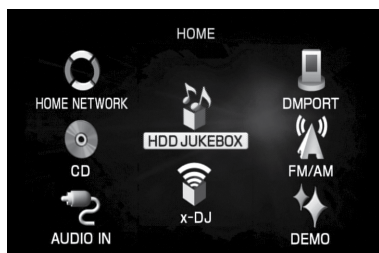
Icon	Track format
MP3	MP3
PCM	Linear PCM
WMA	WMA
	ATRAC

There is no list display for the FM/AM, DMPORT, AUDIO IN and x-DJ functions.

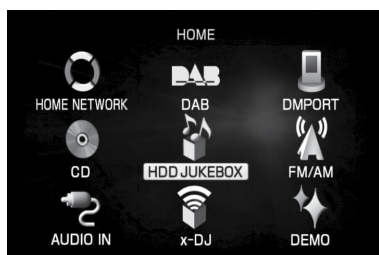
Home menu

Appears when you press the HOME button.

For models except the UK model

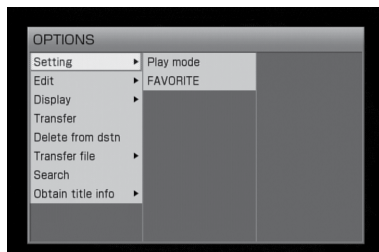


For the UK model



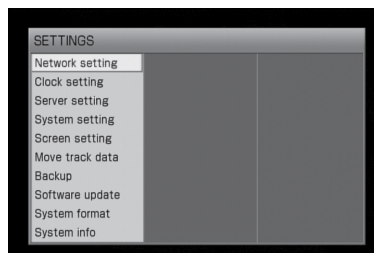
Options menu

Appears when you press the OPTIONS button.



Settings menu

Appears when you press the SETTINGS button.



How to operate each menu

- 1 Press the desired menu button (HOME, OPTIONS, or SETTINGS).
The unit enters the specified menu.
- 2 Press **↑/↓/←/→** to select the desired item.
- 3 Press ENTER.

Connecting the speakers and antennas

MONITOR OUT (NTSC) jack

Use to connect a TV. See page 22 for details.

NETWORK port

Use to connect the unit to a network. For details on network connections, see page 79.

Make sure the metal leads (not the part covered with vinyl insulation) are securely inserted into the speaker terminals.

Insert the end of the cord marked with a red line into the + terminal and the cord with no marking into the – terminal.

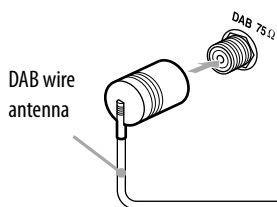
USB port

Use to connect a USB storage device, another portable device, or the supplied wireless adaptor with the USB extension cable.

DAB wire antenna (UK model only)

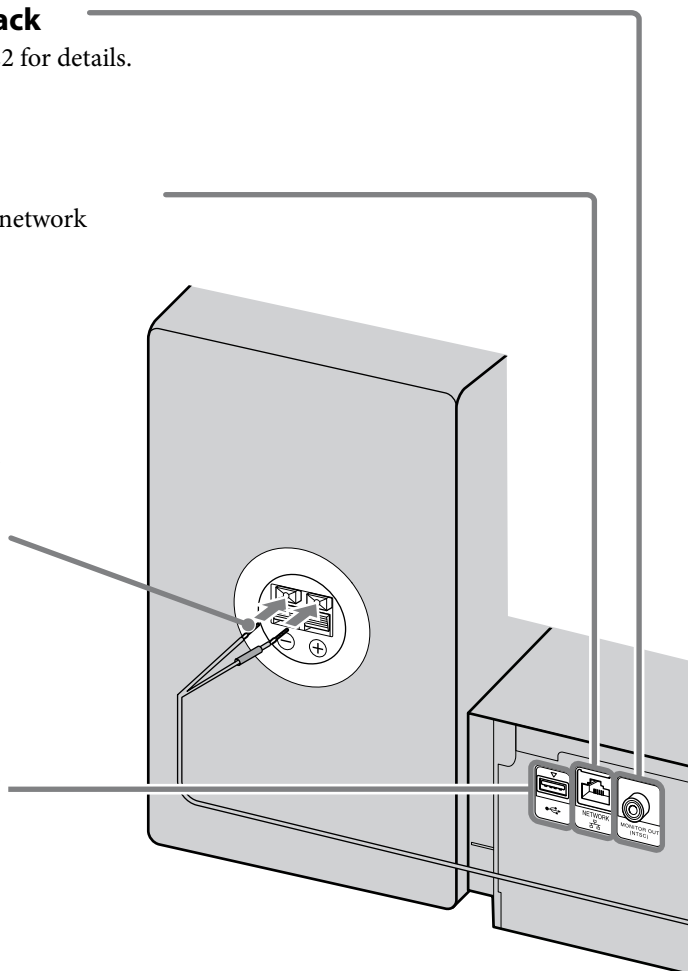
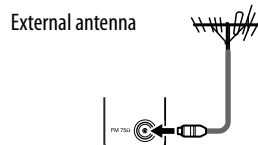
With a DAB external antenna, you can obtain a higher DAB broadcast sound quality. It is recommended that you use the supplied DAB wire antenna for only temporarily until you install a DAB external antenna (optional).

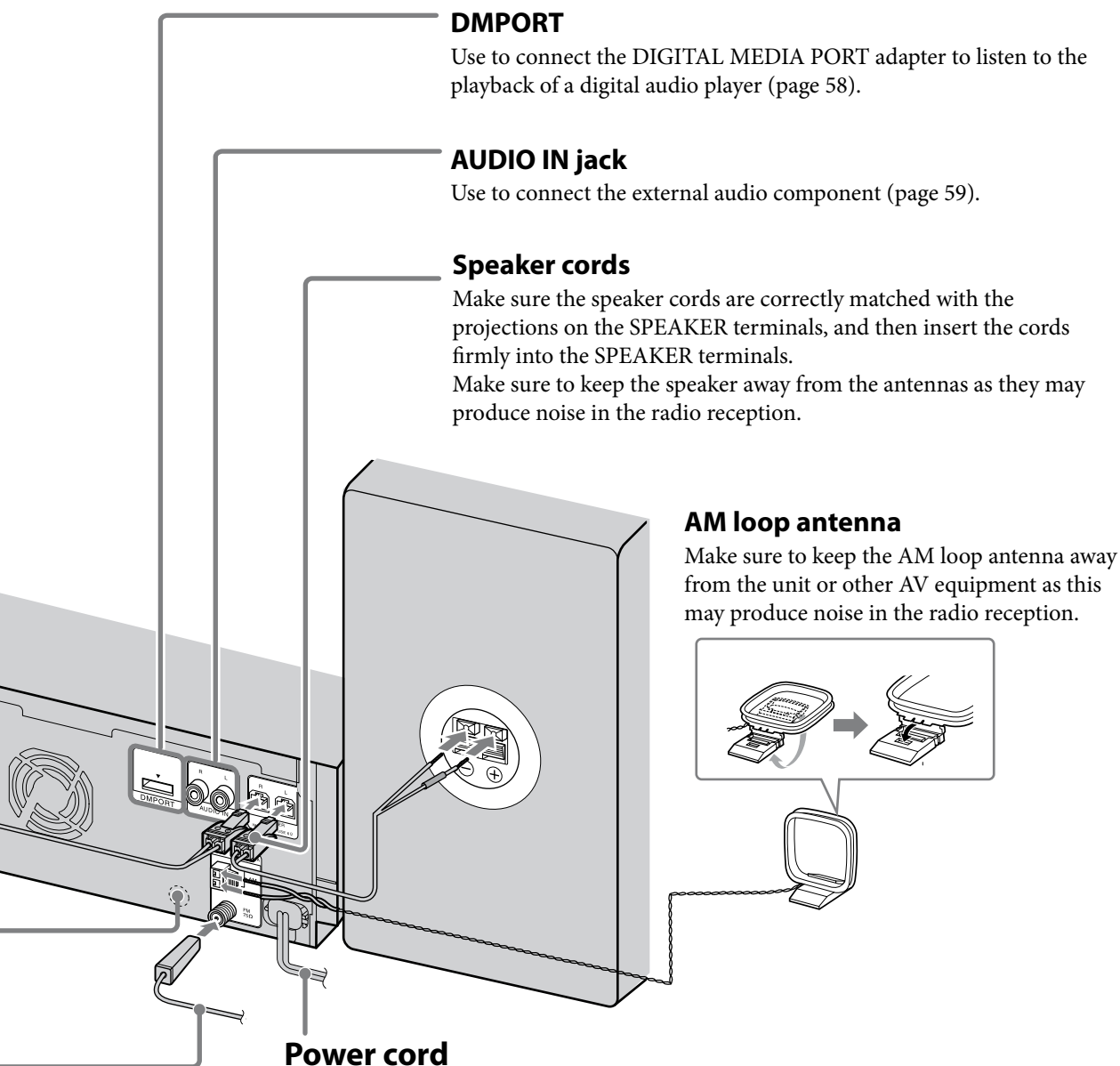
75 Ω coaxial cable with F male type connector will be needed to install the DAB external antenna (optional).



FM wire antenna

Use a commercially available 75 Ω coaxial cable to connect the unit to an external antenna.





WARNING

Connect the power cord to a wall outlet after all other connections have been made.

The unit turns on automatically and starts making the initial settings. Wait until the unit turns off again.

The initial settings may take a few minutes depending on the unit's condition.

Do not disconnect the power cord while the initial setup is in progress. Doing so may cause the unit to malfunction.

Other jacks

AUDIO IN jack

Use to connect an optional audio component (such as a cassette deck) through an audio connecting cord (optional). Analog sound input through this jack can be played or recorded on the unit.

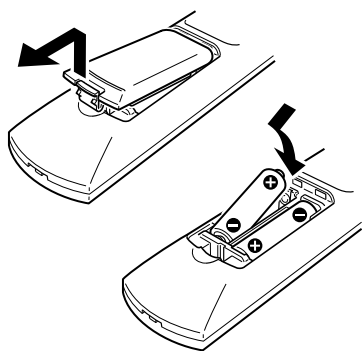
MONITOR OUT (NTSC) jack

Use to connect a TV or other device through an optional video cable. A video signal is output through this jack for display on the connected device.

To insert the batteries into the remote control

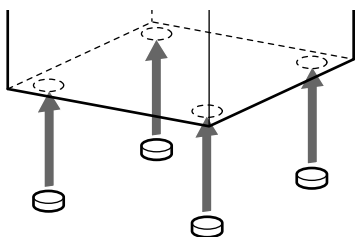
Slide and remove the battery compartment lid, and then insert the two supplied R6 (size AA) batteries (⊖ end first) matching the polarities as shown below.

When the remote control is no longer able to operate the unit, replace both batteries with new ones.

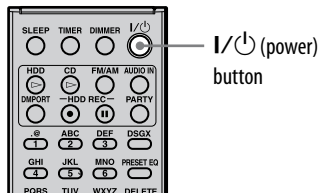


To attach the speaker pads

Attaching the supplied speaker pads to the bottom corner of the speakers to stabilize the speakers and to prevent them from slipping.



Turning on the power



1 Connect the power cord to a wall outlet.

The unit automatically turns on, makes the initial settings, and then turns off.

2 Press I/⏻ (power).

The unit turns on.

A demonstration video starts playing automatically. Select any function to cancel the demonstration. To enable the demonstration, see page 102.

WARNING

Do not disconnect the power cord while the unit is making the initial settings. Doing so may cause the unit to malfunction.

To turn off the power

Press the I/⏻ button on either the remote control or the main unit. The power may not turn off immediately. If it does not, this indicates that the unit is analyzing the music data on the HDD (hard disk drive) (page 45). If you want to cancel the analysis and turn off the power immediately, press ■. If you want to turn the power back on, press the I/⏻ button.

As long as the unit is active as a server and the client device is playing audio data, the server function remains active and the power stays on even if you press the I/⏻ button to turn the unit off (the display turns off and the illumination panel slowly flashes). Press ■ to cancel the server function and turn off the unit.

Tip

This unit has two starting modes; Quick start-up mode and Standard (power save) mode. See “Setting the standby mode” on page 102 for details.

About operation modes

This unit has four operation modes: normal, quick start-up standby, standard (power save) standby and automatic analysis.

When the unit is set to quick start-up standby mode, the internal fan will turn on every now and then even when the power is turned off. This is normal and is not a malfunction.

• Normal operation mode

The unit enters this mode when it is turned on.

• Quick start-up standby mode

In standby mode, the system remains partially active to quickly resume operations when powered on again. In quick start-up mode, the internal fan turns on every now and then to remove internal heat. This is normal. To set the standby mode, enter the Settings menu and select [System setting] (page 102).

• Standard (power save) standby mode

This mode consumes less power than quick start-up, though the unit takes more time to resume operations when powered on again. To set the standby mode, enter the Settings menu and select [System setting] (page 102). The server function cannot be used on this mode.

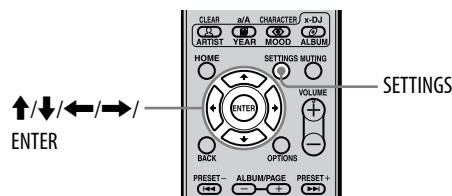
• Automatic analysis mode

In this mode, the unit analyzes the characteristics of music that was recorded or imported to the HDD Jukebox and categorizes the music by x-DJ channel. For details on the automatic analysis, see page 45. When analysis is being conducted, the On/Standby indicator lights up orange and the illumination panel slowly flashes. If you want to cancel the analysis, press ■. The analysis stops and the unit enters the selected standby mode.

	Normal operation	Quick start-up	Standard (power save)	Automatic analysis
Color of the On/Standby indicator	Green	Orange	Red	Orange
Illumination panel status	On	Off	Off	On (flashes slowly)
Display	On (normal display)	Off (no display)	Off (no display)	Off (no display)
Internal fan	On	On (depends on the temperature in the unit)	Off	On
Server function	Available	Available	Unavailable	Available

Selecting the display language

English, French, German, Italian or Spanish may be selected for the display language.



Note

When you change the display language, the input language (page 72) also changes to the selected language.

Tip

Refer to “List of input characters” (page 130) to find out which characters you can use.

- 1 Press SETTINGS.**
The Settings menu appears.
- 2 Select [Screen setting] and press ENTER.**
The display for selecting the language appears.
- 3 Select the desired language from the [Language] setting and press ENTER.**

Display	Selectable language
◆ English	English
Français	French
Deutsch	German
Italiano	Italian
Español	Spanish

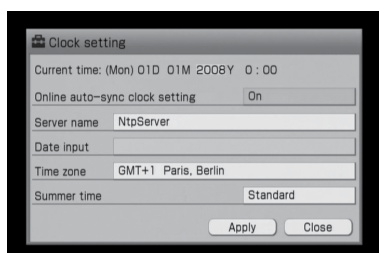
(◆: Factory setting)

- 4 Select [Execute] and press ENTER.**
The display appears in the selected language.

Setting the clock

The time on the clock must be correctly set for the proper operation of functions. Do the procedure below to set the clock. The clock can also be automatically set by connecting the unit to the Internet (page 86).

- 1 Enter the Settings menu, select [Clock setting], and then press ENTER.



- 2 Select [Online auto-sync clock setting] and press ENTER.
- 3 Select [Off] and press ENTER.
- 4 Select the desired city from the [Time zone] setting.
If the desired city does not appear in the [Time zone], select a city that is within the same time zone as the desired city.
- 5 Select [Standard] or [Summer time] for the [Summer time] setting.
- 6 Select [Date input] and press ENTER.
- 7 Press ←/→ to select the day/month/year, and press ↑/↓ to adjust the value.
The date is set in order of day, month and year.

- 8 Press ←/→ to select the hour/minute, press ↑/↓ to set the value, and then press ENTER.

- 9 Select [Apply] and press ENTER.
The time appears in [Current time].

- 10 Select [Close] and press ENTER.

Note

When the time setting display appears after the power is turned on, the display automatically disappears if no operation is performed for a while. If the time is not set correctly, set the time correctly using the Settings menu.

To change the date and time format

You can select an M/D/Y, D/M/Y, or Y/M/D format for the date and a 12-hour or 24-hour format for the time.

- 1 Enter the Settings menu, select [Screen setting], and then press ENTER.
- 2 Select the date and time format.
When selecting the date format:
Select [MM/DD/YYYY], [DD/MM/YYYY], or [YYYY/MM/DD] for the date format setting.
When selecting the time format:
Select [HH:MM] (24-hour system) or [HH:MM AM/PM] (12-hour system) for the time format setting.
- 3 Select [Execute] and press ENTER.

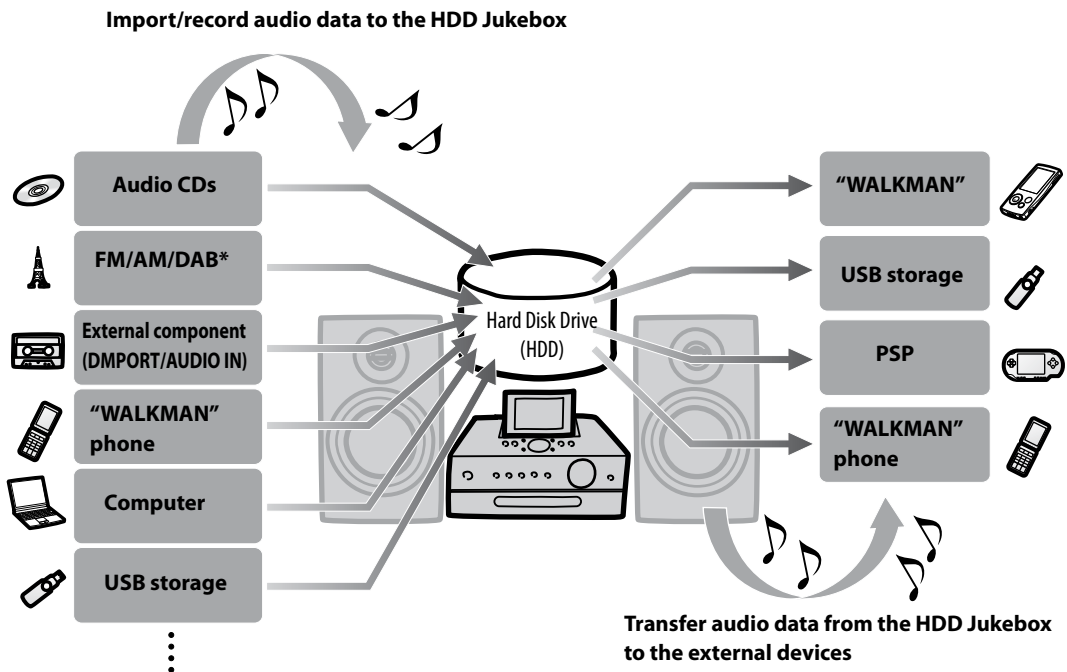
About importing and transferring audio data

This unit allows you to import audio data to the HDD Jukebox from various sources and to manage the data.

You can also transfer audio data to a device of your choice such as a "WALKMAN".

Please note that you cannot transfer audio data directly from a CD or the radio to an externally connected device (such as a "WALKMAN"). To do this, you must first import or record the audio data to the HDD Jukebox, and then transfer the data from the HDD Jukebox to the external device.

To import audio data from a shared folder on your computer, you need to set up and connect to a network. See page 74 for details.



* For the UK model only

Selectable audio formats for recording/importing

The item and format that can be recorded/imported depend on the source (device or disc) from which the audio data will be recorded/imported.

Source	Recordable/ Importable unit	Selectable audio format during recording/importing		Bit rate
		MP3	Linear PCM*1	
CD	Track, album	✓	✓	Bit rate supported by the selected audio format
FM/AM/DAB*2	—	✓	✓	
External component (DMPORT/AUDIO IN)	—	✓	✓	
“WALKMAN” PSP “WALKMAN” phone PC Shared folder USB storage	Folder	Same as that of the source (MP3, Linear PCM*3, WMA, ATRAC)		Same as that of the source

*1 Audio data that has been imported in the Linear PCM format can be converted to the MP3 format afterwards.

*2 For the UK model only

*3 WAV-format files can also be imported. When imported, the files are converted to Linear PCM.

Note

If two USB storage devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.

Transferrable units and audio formats

For a list of the models that can be used as destination devices, refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only).

Destination device	Transferrable unit	Transferrable audio format			
		MP3	Linear PCM*1	WMA	ATRAC
“WALKMAN”	Folders, albums, playlists, tracks	✓	✓	✓*2	✓*3
USB storage	Folders, albums, playlists, tracks	✓	✓	✓*2	
PSP	Albums, playlists, tracks	✓*4	✓	✓*5	✓
“WALKMAN” phone	Depends on the “WALKMAN” phone model. Refer to the customer support site of Sony Europe, http://support.sony-europe.com/ (for customers in Europe only) for the compatible models.				

*1 Linear PCM-format audio data can be converted to other formats when transferred.

*2 The transfer of WMA-format tracks may not be supported on some “WALKMAN” models or USB storage devices. For details on which formats are supported, refer to the operating manual for your “WALKMAN” or USB storage device.

*3 The transfer of ATRAC-format tracks may not be supported on some “WALKMAN” models. For details on which formats are supported, refer to the operating manual for your “WALKMAN”.

*4 When the destination is “Memory Stick”, the data is converted to the OMA format; if “USB storage” is the destination, the data is converted to the MP3 format.

*5 WMA-format audio data can be transferred when “USB storage” is set as the destination.

Notes

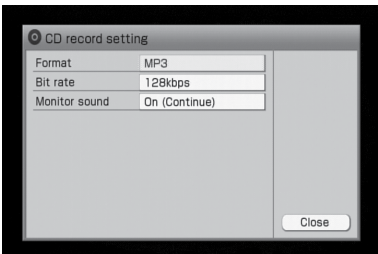
- If two USB storage devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.
- MP3-, Linear PCM- and WMA-format audio data can be transferred to a USB storage device or a “WALKMAN” phone. See page 37 for details.

Setting up the unit for recording or importing

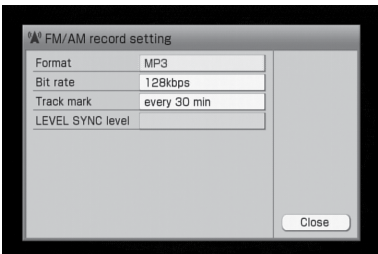
You can select automatic track marking and track titling during the recording of a CD, a radio program, etc. and change the destination folder for recorded audio data.

- 1
- Enter the Options menu for the respective function and select [Setting] – [Record].

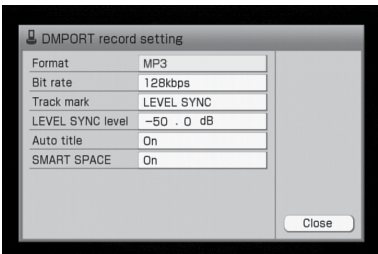
When the CD function is selected



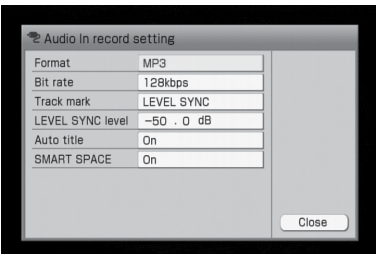
When the FM/AM or DAB* function is selected



When the DMPORT function is selected



When the AUDIO IN function is selected



- 2
- Select the item to be set.
- 3
- Set each item .
In the pull-down menu, select and set each item (shown in the “List of settings” below).
- 4
- Select [Close].

List of settings

Format/Bit rate

The following table shows the selectable audio formats when recording to the HDD Jukebox and the respective bit rate (i.e., data volume).

Format	Bit rate
Linear PCM	—
◆ MP3	96kbps ◆ 128kbps 160kbps 192kbps 256kbps

(◆: Factory setting)

* For the UK model only

Monitor sound (CD function only)

When recording an audio CD to the HDD Jukebox, you can monitor the sound while recording. In this case, sound monitoring also stops when the recording stops.

◆ On (Continue)	Sound monitoring is on continuously from the first track.
On (Intro play)	Sound monitoring is on for the first few seconds of each track, from the first track to the last track. (When recording moves to the next track, monitor playback also moves to the next track.)
Off	Sound monitoring is off. Recording is carried out more quickly than when sound monitoring is done.

(◆: Factory setting)

SMART SPACE (DMPORT and AUDIO IN functions only)

◆ On	When there is no sound input for 3 seconds or more, the SMART SPACE function replaces this interval with a blank of 3 seconds long. The unit automatically pauses recording when there is no sound input for 30 seconds or more, and stops recording when there is no sound input for 10 minutes or more. The unit detects the silent portions according to the setting of LEVEL SYNC level.
Off	The SMART SPACE function is not used.

(◆: Factory setting)

Track mark (DMPORT, AUDIO IN, FM/AM and DAB* functions only)

Track marks are added automatically during recording with the FM/AM, DAB*, DMPORT, or AUDIO IN function. The interval between track marks can be specified. When “Track mark” is set to “Auto” during the FM/AM or DAB* function, the unit distinguishes between music and talk and adds a track mark between them.

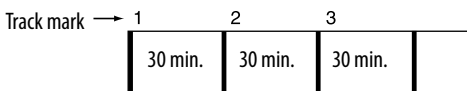
FM/AM or DAB*

every 10 min	The unit adds a track mark automatically at specified time intervals.
◆ every 30 min	
every 60 min	
every 120 min	
LEVEL SYNC	The unit adds a track mark when sound input stops for 1.5 seconds or longer.
Auto	The unit adds a track mark between music and talk.

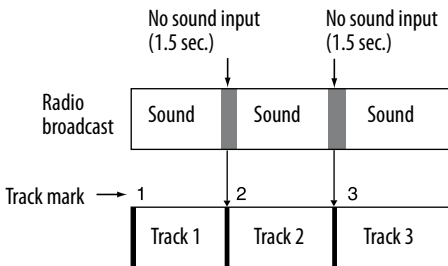
(◆: Factory setting)

Example settings

Setting for track marking every 30 minutes:



Setting for “LEVEL SYNC”:



* For the UK model only

Automatic detection of music and talk (for FM/AM and DAB* recording)

When “Track mark” is set to “Auto”, the unit distinguishes between music and talk and records those contents to different tracks.

Radio broadcast	Music	Talk	Music	Talk
Track mark →	1	2	3	4
	Track 1	Track 2	Track 3	Track 4

When you play the contents in the HDD Jukebox, you can play only music contents or talk contents by changing the listing mode (page 43).

Even when “Track mark” is set to “Auto”, the unit may not be able to distinguish perfectly between music and talk, depending on the sound.

Tips

- When recording is done with “Track mark” set to “Auto”, the track titles will consist of the following items:
 - For FM or AM recording: [T] (talk) or [M] (music), date, starting time of recording, radio station name (or band and frequency if no name is registered)
 - For DAB recording: [T] (talk) or [M] (music), date, starting time of recording, the service component label
- When recording is done with “Track mark” set to “Auto”, the recorded contents are categorized as either a Radio Talk or Radio Music channel in x-DJ.

LEVEL SYNC level (DMPORT, AUDIO IN, FM/AM and DAB* functions only)*1

You can set the detection level of the input signal at which a track mark is automatically added.

Setting range: –96dB to 0dB ◆ –50.0dB	If the unit is having trouble detecting the sync level due to noise, set the level higher. The level is factory set at –50.0 dB.
---	--

(◆: Factory setting)

*1 The function can be used only when “Track mark” is set to “LEVEL SYNC”.

Auto title (DMPORT and AUDIO IN functions only)*1

◆ On	The unit automatically gets title information according to the track’s waveform.
Off	Auto title is not used.

(◆: Factory setting)

*1 The function can be used only when “Track mark” is set to “LEVEL SYNC”.

Notes

- The recording settings cannot be changed while recording is in progress.
- “SMART SPACE” and “LEVEL SYNC level” can be used only for tracks that are 16 seconds or longer.

DMPORT or AUDIO IN

every 10 min	The unit adds a track mark automatically at specified time intervals.
every 30 min	
every 60 min	
every 120 min	
◆ LEVEL SYNC	The unit adds a track mark when sound input stops for 1.5 seconds or longer.

(◆: Factory setting)

* For the UK model only

To change the recording destination in the HDD Jukebox

When recording tracks from a CD, radio, or an external component (DMPORT/AUDIO IN), you can select the destination (shown below) from [Setting] – [Rec destination] in the Options menu.

◆ My library	This destination is the factory setting.
Folder	A list of folders on the HDD Jukebox appears in a pull-down menu. To create a new folder, select [New folder].

(◆: Factory setting)

Note

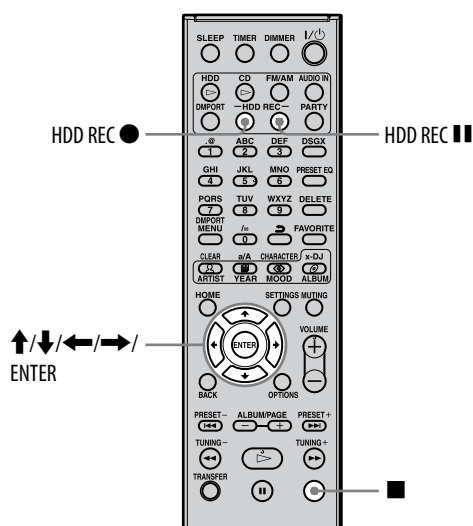
The recording destination setting cannot be changed while recording is in progress or paused.

Tip

A separate recording destination can be set for the CD, FM/AM, DAB (UK model only), DMPORT and AUDIO IN functions.

Importing audio data to the HDD Jukebox

You can record/import audio data from a CD, an externally connected component or a USB storage device. You can also import audio data from a shared folder on your computer.



Recording from a CD, a radio broadcast, DAB service*, or externally connected component

1 Prepare the unit for recording.

Select the function to be recorded.

- To record a CD:
See “Playing a CD” (page 51).
- To record a radio broadcast or DAB service*:
See “Listening to the radio or DAB services” (page 54).

- To record from an externally connected component (DMPORT/AUDIO IN):
See “Connecting a digital media player to DMPORT (DIGITAL MEDIA PORT)” (page 58) or “Connecting an external component (AUDIO IN)” (page 59).

2 To change the recording settings, enter the Options menu and change the settings (pages 29 to 32).

The items that appear in the Options menu depend on the function.

3 Press HDD REC ●.

Recording starts.

- When recording a CD:
At the end of recording, the display automatically changes to the main display of the CD function.
- When recording a radio broadcast or DAB service*:
Press ■ to stop recording.
- When recording from an externally connected component (DMPORT/AUDIO IN):
At the end of the recording operation, the display automatically changes back to the main display after title information has been obtained (only when “Auto title” is set to “On” and “Track mark” is set to “LEVEL SYNC”). Press ■ to stop recording.

Note

To record from a digital media player via DMPORT, make sure to use the DIGITAL MEDIA PORT adapter. If not, recording cannot be done.

Tip

A search for title information is automatically performed if the unit is connected to the Internet. See page 74 for details on network connection.

* For the UK model only

To cancel recording

Press ■.

To pause recording (FM/AM, DAB*, DMPORT and AUDIO IN functions only)

Press HDD REC ■■.

Note

When recording a CD, the unit may produce more noise and vibration than during CD playback. This is because of the higher disc rotation speed used during recording and is not a malfunction. The amount of noise or vibration produced will vary depending on the CD type.

Tips

- When recording a radio broadcast (for “Track mark” settings other than “Auto”), DAB service (for “Track mark” settings other than “Auto”), or from an externally connected component, a track mark is added whenever you press the HDD REC ● button. Track marks can only be added for tracks with a minimum length of 16 seconds.
- When recording from an externally connected component and “Auto title” is set to “Off”, the recorded data are date and time stamped.

To select and record individual tracks

- 1 Select the CD function.
- 2 Load a CD into the disc tray.
- 3 If you want to change the recording settings, enter the Options menu and change the settings (pages 29 to 32).
- 4 Press HDD REC ■■ while the main display appears.
Tracks with the check marks ☒ will be recorded.

- 5 Select the tracks to be recorded.
Press ENTER to remove the check mark for tracks not to be recorded.
- 6 Press HDD REC ●.
Recording starts.

Tip

To select all the tracks, enter the Options menu and select [Select track] – [Select all]. To deselect all the tracks, select [Select track] – [Clear all].

Importing audio data from a “WALKMAN” or a USB storage device

You can import audio data stored on a “WALKMAN” or a USB storage device to the HDD Jukebox.

The following audio formats can be imported to this unit.

- MP3 (“.mp3”, “.oma”)
- Linear PCM (“.wav”, “.oma”)
- Windows Media Audio file (“.wma”, “.oma”)
- ATRAC (“.oma”)

Notes

- Files with copyright protection (Digital Rights Management) cannot be imported to this unit.
- Make sure that you do not disconnect the connected device during the import of the audio data. If you do, the unit or the connected device may malfunction.

-
- 1 Select the HDD JUKEBOX function.
 - 2 Connect the “WALKMAN” or the USB storage device to the USB port on the unit.

Refer to the operation manual of the portable device as well.

* For the UK model only

3 Enter the Options menu and select [Transfer file] – [Import] – [USB storage].

If two portable devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.

If you want to select the rear portable device, disconnect the top device.

If the storage medium selection display appears, select the storage medium. (If the connected portable device has only one drive, then the storage medium selection display does not appear.)

4 Select the albums to be imported.

The selected albums are checked ☒.

Press ENTER to remove the check mark for tracks not to be imported.

5 Select [Import].

Note

You can import a maximum of 10,000 tracks at a time (page 112).

Importing files from a computer

You can import audio files stored on your computer.

1 Do the procedures for network connections and setup.

See page 74 for details.

2 Set up a shared folder on the computer.

See page 103 for details.

3 Import files.

See page 85 for details.

Transferring audio data from the HDD Jukebox

You can transfer audio data to an externally connected portable device. Refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only) for the compatible models.

Notes

- If the AC power adaptor is supplied with the connected device, it is recommended that you operate the device on house current. When operating the device on batteries, make sure the remaining battery power is sufficient. We do not guarantee against malfunctions, transfer failures, or destruction of audio data caused by shortages in battery power.
- Make sure that you do not disconnect the USB cable during the transfer of tracks to a “WALKMAN” or another portable device that can be connected to the USB port. If you do, the unit or the connected device may malfunction.

Note on the deletion of tracks that were transferred to a portable device (such as a “WALKMAN”)

If you want to delete tracks that were transferred from the unit to a portable device, you need to connect the portable device to the unit (page 40).

Transferring audio data to a “WALKMAN” or a portable device

You may not be able to transfer audio data to certain destinations with the following procedure. If this is the case, do the procedure “Transferring audio data to a USB storage device” (page 37).

- 1 Connect a compatible “WALKMAN” or portable device to the USB port on the top or rear of the unit.

Refer to the operating manual of the portable device as well.

- 2 Select the HDD JUKEBOX function.

- 3 Display the albums, playlists, groups, or tracks that you want to transfer.

- 4 Press TRANSFER.

If two portable devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.

If you want to select the rear portable device, disconnect the top device.



Tip

The selected destination device setting is stored in the unit and is recalled each time you use the device in the future.

To change the destination device, enter the Options menu and select [Transfer].

5 Select the albums, playlists, groups, or tracks that you want to transfer, and then select [Execute] or press TRANSFER.

If you want to change the transfer settings (page 38), make the changes first before selecting the items to be transferred.

To cancel a transfer

Press BACK





When you cancel a transfer, it may take a while for the transfer to stop.

Notes

- If your “WALKMAN” has the Trash Bin function and any of the tracks to be deleted are registered in the Trash Bin, a confirmation message will appear on the unit and the “WALKMAN”.
- If the playlist is transferred from the HDD Jukebox to the “WALKMAN”, the playlist will also be recognized as a playlist of the “WALKMAN”.

About track icons

You can identify the audio format of a track by its icon.

Icon	Meaning
	MP3 format
	Linear PCM format
	WMA format
	ATRAC format

Transferring audio data to a USB storage device

1 Connect the USB storage device to a USB port on the unit.

Refer to the operating manual of the USB storage device as well.

2 Select the HDD JUKEBOX function.

3 Display the albums, playlists, groups, or tracks that you want to transfer.

4 Enter the Options menu and select [Transfer file] – [Export] – [USB storage].

If the storage medium selection display appears, select the storage medium. (If the connected USB storage device has only one drive, then the storage medium selection display does not appear.)

5 Select the albums, playlists, groups, or tracks that you want to transfer, and then select [Execute] or press TRANSFER.

If you want to change the transfer settings (page 38), make the changes first before selecting the items to be transferred.

Changing the transfer settings

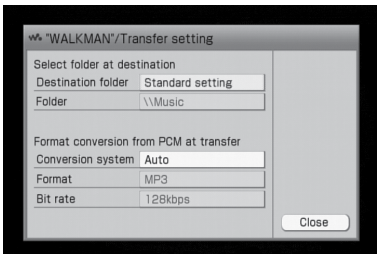
You can change the destination group or folder and the conversion settings when transferring Linear PCM audio data.

- 1 Display the item (album, playlist, group, or track) you want to transfer.

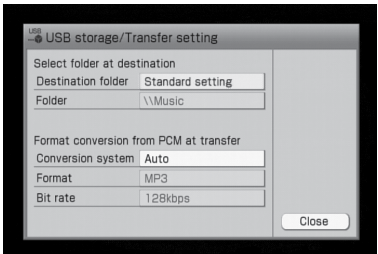


- 2 Select [Setting] and change the setting.

When you transfer audio data to a “WALKMAN”



When you transfer audio data to a “WALKMAN” phone or USB storage device



- ① Select [Select folder at destination] and then select the destination folder from the pull-down menu.

◆ Standard setting	Tracks are saved to “\\Music” folder.*1
Root setting	Tracks are saved to the root directory of the destination.
Select	Enter the folder name when you change the destination folder.

(◆: Factory setting)

*1 Audio data may be saved but may not be played on some “WALKMAN” phone models.

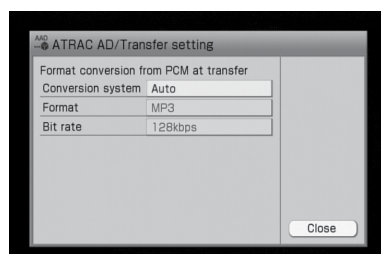
- ② When transferring Linear PCM-format tracks, select [Conversion system] and then select an item from the pull-down menu.

◆ Auto	The unit selects and transfers the audio data with the format that can be played with the connected device.
Select format	Audio data is transferred in MP3 format or Linear PCM format. (You can select the desired bit rate in step ③.)

(◆: Factory setting)

- ③ If you select [Select format] in step ②, select the desired bit rate from the [Bit rate] pull-down menu.

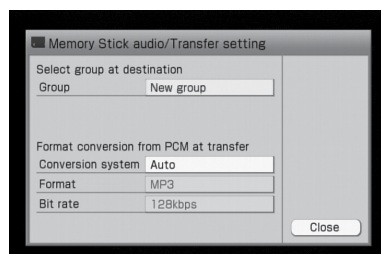
When you transfer audio data to an ATRAC Audio Device



- ③ If you select [Select format] in step ②, select the desired format and bit rate from the [Format] and [Bit rate] pull-down menus.

3 Select [Close].

When you transfer audio data to a PSP



- ① Select [Select group at destination], and then select the destination group from the pull-down menu.

◆ New group	A new group is created and the selected tracks are transferred to it.
Select group at destination	The selected tracks are transferred to an existing group.

(◆: Factory setting)

- ② When transferring Linear PCM-format tracks, select [Conversion system] and then select an item from the pull-down menu.

◆ Auto	The unit selects and transfers the audio data with the format that can be played with the connected device.
Select format	You can select the desired format and bit rate in step ③.

(◆: Factory setting)

Deleting tracks or playlists on the destination device

You can delete tracks on a connected portable device.

When you delete a playlist on a connected “WALKMAN”, the playlist will be deleted, but not the tracks within it.

Note

Make sure not to disconnect the device or turn the power off until the deletion has completed.

1 Connect the “WALKMAN” or the portable device with the tracks you want to delete.

2 While the unit is in the HDD JUKEBOX function, enter the Options menu and select [Delete from dstn].

If two portable devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.

If you want to select the rear portable device, disconnect the top device.

3 Select the item to delete.

4 Select [Delete].

5 Check the contents displayed, and then press ENTER.

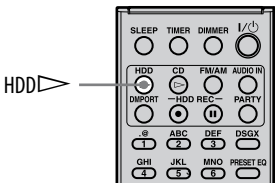
Note

If any of the tracks are registered in the Trash Bin of the “WALKMAN”, a confirmation message will appear on the unit and the “WALKMAN”.

Tip

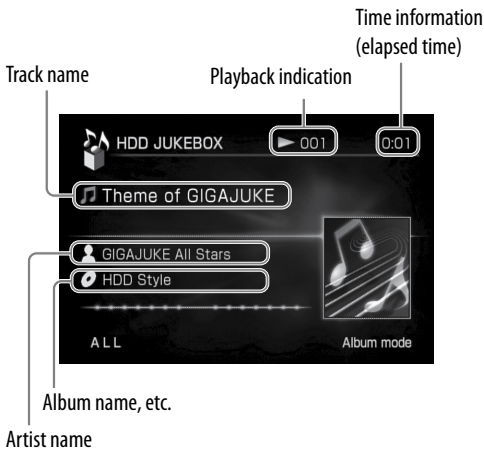
You can initialize audio data on a connected ATRAC Audio Device or PSP. To do this, select [Format] in the deletion setting display.

Playing the HDD Jukebox



Press **HDD**.

Playback starts.
Playback starts from the track you last played or recorded.



To	Do the following
Select a track	Press ↑/↓/←/→ to select a track. Or press the corresponding numeric button, and then press ENTER . When the unit shows the list display, press and hold down ↑/↓ to scroll quickly. Press PAGE+/- to go to the previous/next list page.
Select an album	When the unit shows the main display, press ALBUM+ or ALBUM- .
Select the time information display	During playback, enter the Options menu and select [Display] - [Time] - [Elapsed time] or [Remaining time] .

Note

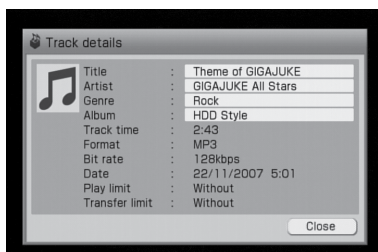
You cannot select a track using the numeric buttons unless a track directory is displayed.

Other operations

To	Do the following
Stop playback	Press ■ .
Pause	Press II . Press II again or ▷ to resume playback.
Find a point in a track	Press and hold down ◀◀/▶▶ during playback, and release it at the desired point.
Select a previous/next track	Press I◀◀/▶▶I during playback.

Checking album or track information

- 1 Select the album or track to be checked.
- 2 Enter the Options menu and select [Display] – [Album info] or [Track info].



To see the entire text string for a title, artist, or genre, select the respective box and press ENTER.

Registering desired tracks to playlist

You can register tracks recorded at different places in the HDD Jukebox to one location called “Playlist”. Afterwards, you can listen to those tracks or transfer them to an external device. “Favorites” in the playlist also serves as the Favorites channel when you use the x-DJ function.

While the unit is in the HDD JUKEBOX function and the desired track is playing, press FAVORITE.

The track is registered to “Favorites” in the list of playlist.

Notes

- Tracks cannot be registered using the FAVORITE button when the playlist mode is selected.
- When you listen to the Favorites channel of the x-DJ function, only tracks registered to “Favorites” are played.

Tip

You can register 10,000 tracks to playlists.

To listen to tracks in a playlist

Select the playlist mode (page 43). Or select the “Favorites” channel in x-DJ.

To transfer a playlist

Do the procedures of “Transferring audio data from the HDD Jukebox” (page 36) to transfer a playlist.

To change the destination for the FAVORITE button

At the time of purchase, selected tracks are automatically registered to “Favorites” when the FAVORITE button is pressed. However, the registration destination can be changed. To do this, you must create the destination playlist in advance (page 66).

Enter the Options menu, select [Setting] – [FAVORITE], and then select the desired playlist to be used from the [Destination] setting.


Note

When you want to listen to tracks using the Favorites channel in x-DJ, you have to register the tracks to “Favorites”. In this case, make sure not to change the registration destination.

To register multiple tracks at the same time

You can register all the tracks in an album or a group at the same time to a playlist. To register tracks to a playlist other than “Favorites”, you must create the playlist in advance (page 66).

- 1 While the unit is in the HDD JUKEBOX function, select the album or the group you want to register to a playlist.

- 2 Enter the Options menu and select [Edit] – [Add to playlist].
Make sure that all the tracks to be registered are checked .
If you want to register multiple items, select and check each one.
- 3 Select [Enter].
- 4 Select the playlist to which you want the tracks to be registered.
A confirmation window appears.
- 5 Select [Yes].
The selected tracks are registered to the specified playlist.

Note


Only tracks in the same album or group can be registered at the same time.



Tip





You can register tracks in the Favorites channel of the x-DJ function to a playlist. For details, see page 50.

Playing audio data in different listing modes

You can list and select tracks in the HDD Jukebox in various ways (by album, artist, etc.).

- 1 Select the HDD JUKEBOX function.
- 2 Press  repeatedly to select “Mode” directory, and then select the desired listing mode.

Listing mode	The unit
 Album	Plays tracks of the selected album.
 Artist	Plays tracks of the selected artist.

Listing mode	The unit
 Genre	Plays tracks of the selected genre, such as classics or jazz.
 Recording source	Plays tracks recorded from a selected recording source, such as a CD or the radio.
 Folder	Plays tracks in a selected folder, such as My library or a newly created folders/groups.
 Playlist	Plays a selected playlist of your favorite tracks.

(◆: Factory setting)

Listing the contents of radio or DAB* recordings (recorded with “Track mark” set to “Auto”)

When listing by “Album” or “Recording source”:

The recording (from beginning to end) is displayed as one album, with the music and talk segments displayed as individual tracks.

When listing by “Artist” or “Genre”:

All music contents are displayed as one album and all talk contents are displayed as another album, with their respective music segments and talk segments displayed individually as tracks.

Notes

- All tracks may not appear, depending on the listing mode.
- If a CD contains tracks of multiple artists, the tracks of each artist are displayed as a separate album when listed by artist or genre.

* For the UK model only

To change the order of contents in the list — Sort

In each mode, you can sort lists by recording date, title, etc.

- 1 Select the list you want to sort.
- 2 Enter the Options menu and select [Display] – [Sort] – [(sort criterion)].

List type	Sort criterion
Album	◆ Date: new to old
	Date: old to new
	ABC... ^{*1}
	ZYX...
Artist	◆ ABC...
	ZYX...
Genre	◆ ABC...
	ZYX...

(◆: Factory setting)

^{*1} Contents are displayed in order of letters, numbers and symbols.

Note

Lists cannot be sorted when the folder mode or playlist mode is selected; individual tracks, however, can be repositioned within a list (page 68).

Searching for albums or tracks

You can search for albums or tracks in the HDD Jukebox.

- 1 Enter the Options menu and select [Search].
The keyword input display appears.
- 2 Enter the keyword (album name or track name to be searched for).
- 3 Select [Album], [Track], or [Group] (only when the unit is in folder mode).
Searching starts.
After the search ends, the results are displayed.

To display an album or track from the displayed results

Select the album or track.

To return to the search screen

Select [Input].

Notes

- You cannot perform searching operation while the unit is in playlist mode.
- If you search for albums or tracks while playing a track, playback stops. Playback does not start after the searching ends.

Playing tracks using x-DJ

x-DJ uses Sony's 12 Tone Analysis to analyze the characteristics of tracks that have been recorded or imported to the HDD Jukebox and categorizes them into 27 channels. You can use x-DJ to play tracks that correspond to a particular mood or time of day; for example, wake up tracks that play in the morning, tracks that make you relax, or tracks that raise your spirits. From those channels, you can jump to the additional channels of ARTIST, YEAR, MOOD and ALBUM by using a function called "Music Surfin'".

The analysis is performed while the unit is in standby mode. While the unit is analyzing, the On/Standby indicator lights up orange and the illumination panel slowly flashes.

It takes about 15 minutes for the unit to analyze a 60-minute album.

Notes

- Make sure not to disconnect the power cord while the unit is analyzing the recording contents. If you do, a malfunction may occur.
- If the HDD Jukebox contains a large number of unanalyzed music tracks, then analysis may take a long time.

Tip

As a result of an analysis, the same track may be assigned to two or more channels.

To cancel an analysis

Press ■.

The analysis is cancelled. Tracks that were not analyzed are automatically analyzed the next time the unit enters standby mode.

To confirm the setting for automatic analysis

This unit is factory set to perform automatic analysis when the unit enters standby mode.

To check this setting, enter the Options menu, select [Setting] – [Basic], and then check the [Auto-analysis] pull-down menu.

If you select [Off] from the [Auto-analysis] pull-down menu, automatic analysis will not be performed when the unit enters standby mode.

To perform an analysis manually

You can manually perform an analysis of the tracks that have not yet been analyzed.

- 1** While the unit is in the x-DJ function, enter the Options menu and select [Manual-analysis].
A pop-up window appears.
- 2** Select [Execute].
A pop-up window appears with a time progression bar.
To cancel the operation, select [Cancel].

List of x-DJ channels

Ch.	Category	Channel name	Description
◆ 001	Basic	Recommended	Tracks recommended for each time of day
		Recommended: Morning	
		Recommended: Afternoon	
		Recommended: Evening	
		Recommended: Night	
		Recommended: Midnight	
◆ 002		Favorites	Shuffle all tracks in the favorites list.
◆ 003		Shuffle All	Shuffle all tracks
◆ 004		Newly Added	Shuffle most recently imported tracks
005		Radio Music* ¹	Music tracks recorded from radio
006		Radio Talk* ¹	Talk tracks recorded from radio
◆ 101	Feel	Fine Day	Happy songs to improve your mood
◆ 102		Rainy Day	Mellow, heavy-hearted songs
◆ 103		Energized	High-spirited songs
◆ 104		Slow Life	Calming songs
◆ 201	Style	Lounge	Lounge music
202		Classical	Classical tracks
203		Urban	Rhythm & Rap, R&B tracks,
204		Extreme	Intense Rock tracks
205		Ballad	Ballads
206		Retro	Tracks with antique feel
◆ 301	Type	Acoustic	Tracks with acoustic instruments
302		Electronic	Tracks with electronic instruments
303		Instrumental	Tracks without vocals
◆ 304		Vocal	Tracks with vocals
401	Scene: Life	Good Morning	Fresh tracks for wake-up
402		Good Night	Calm, quiet tracks for bedtime
◆ 403		Party Time	Up-tempo tracks for parties
◆ 501	Scene: Workout	Walking	Middle tempo tracks for walking
◆ 502		Running	Up-tempo tracks for running
503		Meditation	Ambient and environmental tracks for meditation
909	Extra	Explore	Other kinds of tracks

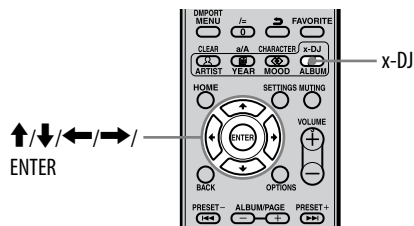
◆ These channels are displayed even when there are no applicable tracks (factory setting).

*¹ Tracks recorded from the FM/AM or DAB are placed into Radio Music or Radio Talk channel if “Track mark” was set to “Auto” during the recording.

List of Music Surfin’ buttons

Button on the remote control	Name of the channel	Description
ARTIST (blue)	ARTIST	Tracks by the same artist
YEAR (red)	YEAR	Tracks released in the given range of years
MOOD (green)	MOOD	Tracks with a similar mood
ALBUM (yellow)	ALBUM	Tracks from the same album

Using x-DJ

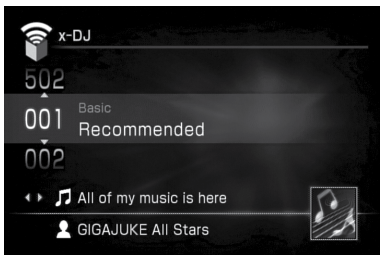


1 Press x-DJ.

The channel selection display appears and the unit plays the main part of the displayed track.

Tip

When five tracks have been assembled into a channel, the channel is displayed.



2 Press ↑/↓ to select a channel.

The unit plays the main part of the first track in the selected channel.

3 Press ←/→ to select the desired track within the channel.

Each time you press ←/→, the unit plays the main part of the selected track.
If you press ENTER, the unit starts playing the selected track from its beginning.

Other operations

To	Do the following:
Stop playback	Press ■.
Pause playback	Press ■. Press ■ again or ▷ to resume playback.
Find a point in a track	Press and hold ◀◀/▶▶ during playback, and release it at the desired point.
Select a previous/next track	Press ◀◀/▶▶ to select a track.

Tip

When Radio Music or Radio Talk channel is selected, the unit plays the track from the beginning, not the main part.

Note

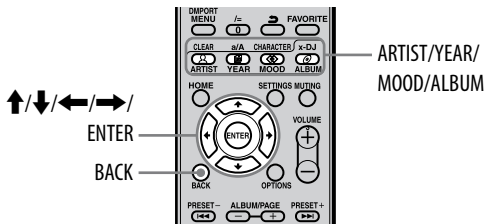
Depending on the characteristics of a track, the unit may place it into a channel different from your own impression, or the unit may select the wrong part as a track's main part.

Using Music Surfin'

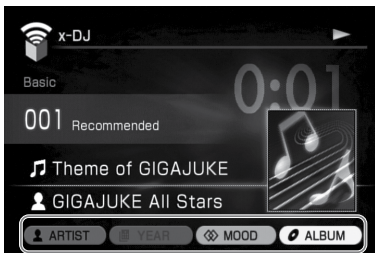
If you press the blue, red, green, or yellow button while playing a channel in x-DJ, the unit creates the following temporary channels from the tracks in the HDD Jukebox.

- **ARTIST (blue) button:** ARTIST channel containing tracks by the currently selected artist.
- **YEAR (red) button:** YEAR channel containing tracks from the same era as the currently selected track.
- **MOOD (green) button:** MOOD channel containing tracks with a mood similar to that of the currently selected track.
- **ALBUM (yellow) button:** ALBUM channel containing tracks by the currently selected album.

For example, if you press the blue button while listening to your favorite artist, the unit assembles all the tracks by that artist and puts them into a temporary channel that you can listen to.



1 Play a channel in x-DJ.



Selectable channels

2 Press the ARTIST, YEAR, MOOD, or ALBUM button.

The respective channel appears in the display.

When you press the ARTIST (blue) button



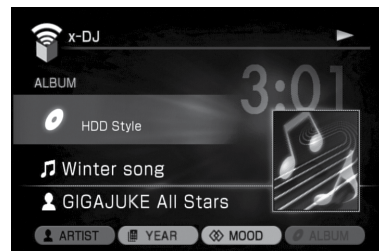
When you press the YEAR (red) button



When you press the MOOD (green) button



When you press the ALBUM (yellow) button



3 Press **←/→** to select a track and press **ENTER**.

Playback starts.

To return to a normal x-DJ channel from Music Surfin', press **↑/↓** or **BACK**.

Notes

- Only tracks with information on its release year will be assembled into the YEAR channel.
- The year indicated for a track assembled in the YEAR channel may not necessarily be the year of its first release. This is because the information used corresponds with the CD on which the track or album is contained.

Tip

Tracks in the YEAR channel are displayed according to their indicated release dates as follows.

- 1900 to 1949:
Tracks are assembled and displayed as "before 1949".
- 1950 to 1989:
Tracks are assembled in 10-year units. For example, tracks from 1960 to 1969 are assembled and displayed as "1960's".
- 1990 to the present:
Tracks are assembled in three-year units (i.e., the year of the currently selected track plus the previous and following years).
For example, if you select a track released in 1995, tracks from 1994 to 1996 are assembled and displayed as "around 1995".

Moving a track from one channel to another

You can move tracks to a different channel (except tracks in CH. 002 to CH. 006).

- 1** Select the track you want to move.
- 2** Enter the Options menu and select [Move track].

3 Select the destination channel from the [Destination] pull-down menu.

4 Select [Yes].

Notes

- You cannot move tracks to or from CH. 002 to CH. 006.
- When CH. 001 contains only a few registered tracks, track moving may not be possible.

Setting up x-DJ

To set the channel that is selected when the function is started up

- 1** Enter the Options menu and select [Setting] – [Basic].
- 2** Select [Startup CH] – [Previous CH] or [Recommended(CH.1)].

◆ Previous CH	x-DJ starts with the channel that was last selected.
Recommended (CH.1)	x-DJ starts with the Recommended channel (CH.001).

(◆: Factory setting)

To register tracks to the Favorites channel

While playing a track in x-DJ, press **FAVORITE**. The track is registered to the Favorites channel. It is also registered to the "Favorites" in the HDD Jukebox at the same time.

To hide unnecessary tracks

You can hide unnecessary tracks that are registered in x-DJ so that they do not appear in a channel. Please note, however, that tracks cannot be deleted.

When track hiding is cancelled, tracks that have been moved to a different channel will appear in the channel again.

- 1 Play the track that you want to hide.
- 2 Press DELETE.
A pop-up window appears.
- 3 Select [Yes].

To show hidden tracks again, enter the Options menu and select [Hide track] – [Release] – [Current channel] or [All channels]. Select [Yes] in the pop-up window.

Notes

- Tracks in CH. 002 to CH. 006 cannot be hidden.
- When CH. 001 contains only a few registered tracks, track hiding may not be possible.

To hide unnecessary channels

- 1 Enter the Options menu and select [Setting] – [Channel display].
The channel list appears and the unit plays the main part of the tracks in the selected channel.
- 2 Uncheck the channels that you want to hide.
To display hidden channels again, check the channels by pressing ENTER.

Transferring x-DJ channels

You can register a channel to the HDD Jukebox as a playlist and then transfer the playlist to a “WALKMAN”.

A maximum of 50 tracks (in the selected channel) can be selected for the playlist to be transferred to the “WALKMAN”.

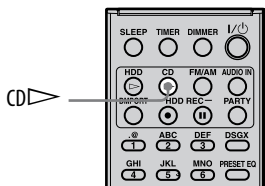
-
- 1 Play a track in the channel you want to transfer.
-
- 2 Enter the Options menu and select [Convert to playlist].
A pop-up window appears.
-
- 3 Select [Yes].
A pop-up window appears.
-
- 4 Select [Close].
The channel is registered as a playlist.
-
- 5 Do the procedure of “Transferring audio data from the HDD Jukebox” (page 36) to transfer the playlist to a “WALKMAN”.

Tip

You can view registered playlists by selecting the playlist mode in the HDD JUKEBOX function. Playlists are displayed by channel name and date of registration.

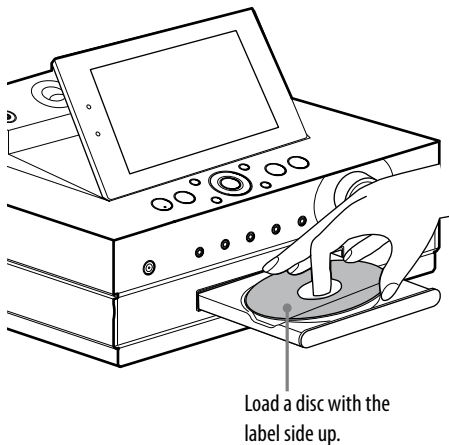
Playing a CD

This unit can play audio CDs and CD-R/RW discs recorded with MP3 audio tracks. See page 123 for details on playable discs.



1 Press CD▲ and place a disc into the disc tray.

The disc tray slides out.



The disc tray closes when you press CD▲ again.

The unit automatically starts searching for title information for the disc from the unit's database.

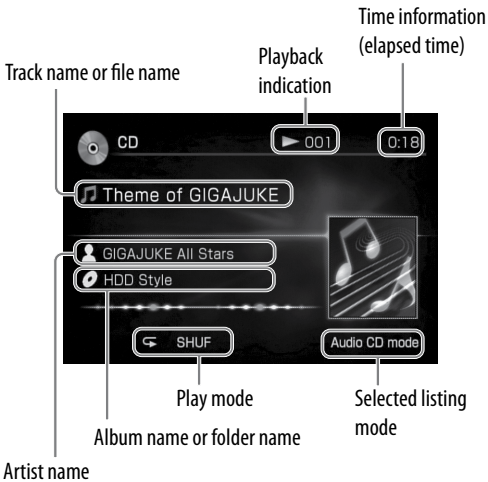
If title information cannot be found, it will not be displayed.

If the unit is connected to the Internet, you can search and obtain the latest title information from the database over the Web (page 84).

2 Press CD▶.

Playback starts.

The unit detects the format (audio CD or CD-R/RW with MP3 audio) and automatically changes to the proper mode. If a disc contains two formats, you will have to change the mode manually (page 52).



About the directory structure and playback order of MP3 files

MP3 files are accessed at two directory levels: album and track. An album may contain sub-albums (sub-directories). After the unit has played all tracks in an album (or sub-album), it goes to the first track in the next album (or sub-album).

On this unit, MP3 files on data CDs can be displayed down to the 10th sub-album (sub-directory 10).

Tip

The CD playback display does not support the display of ID3 information contained on MP3 discs. To see this information, enter the Options menu and select [Display] – [ID3 info] (page 53).

Other operations

To	Do the following:
Stop playback	Press ■.
Pause playback	Press ■■. Press ■■ again or ▷ to resume playback.
Find a point in a track	Press and hold down ◀◀/▶▶ during playback, and release it at the desired point.
Select the previous/next track	Press ◀◀/▶▶ during playback.
Select a track	Press ↑/↓ (↑/↓/◀/▶ for an MP3 disc) to select a track.
Select a track using the numeric buttons	Press the corresponding numeric button while the track list (of track directory) is displayed and press ENTER.*1
Select an album (MP3 disc only)	Press ALBUM+ or ALBUM– to select an album.
Remove the disc	Press CD▲ on the main unit.
Switch the time information display	During playback, enter the Options menu and select [Display]–[Time]–[Elapsed time] or [Remaining time].
Change the audio CD or MP3 mode	Enter the Options menu and select [Mode switch]–[Audio CD] or [MP3].

*1 For numbers from 10 onward, press a numeric button for each digit (e.g., for 124: press [1], [2] and [4]).

Note

When the unit is in MP3 mode, tracks displayed in an album cannot be selected using the numeric buttons.

To obtain title information manually

This unit automatically obtains title information whenever a CD is loaded; however, you can obtain this information manually.

- 1 While the unit is stopped, enter the Options menu and select [Title info] – [Obtain].
The unit starts searching the title information, and then displays the search results.
- 2 Confirm the search results and select [Obtain].
Title information is obtained.
If you press ▷ instead of [Obtain], playback of the CD starts.

To clear the title information

Enter the Options menu and select [Title info] – [Clear].

When multiple search results are displayed for a CD

Select the desired information from the list.

To see track information for an album

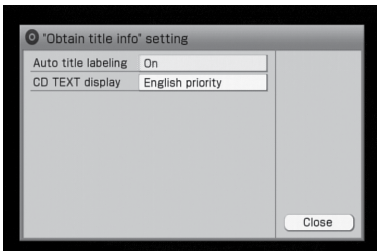
Select the album from the displayed list.

Tip

The latest title information is automatically obtained when the unit is connected to the Internet.

To change the setting for obtaining title information

- 1 Enter the Options menu and select [Setting] – [Obtain title info].



- 2 Select the desired setting for the [Auto title labeling] setting.

◆ On	The unit obtains title information automatically whenever a CD is loaded.
Off	The unit does not obtain title information automatically.

(◆: Factory setting)

- 3 Select [Close].

To set the priority language for displaying CD TEXT information

Select the language for the [CD TEXT display] setting.

Changing the display language (page 25) also changes this setting to the same language.

Tip

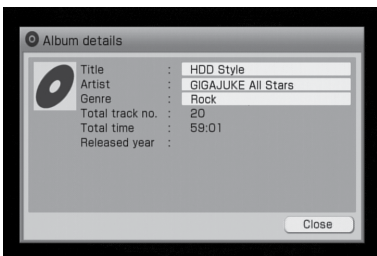
If title information was not obtained, CD TEXT information appears. CD TEXT data is stored only to discs that support the CD TEXT standard.

Viewing information for a CD

- 1 While the unit is stopped, select the desired track from the list display.
- 2 Enter the Options menu and select [Display] – [Album info] or [Track info].

Album info*1	Detailed information on the album appears (Album details display).
Track info*1	Detailed information on the selected track appears (Track details display).
ID3 info	ID3 tag information for the selected MP3 track appears (Track (ID3) details display).

*1 Only for audio CDs.



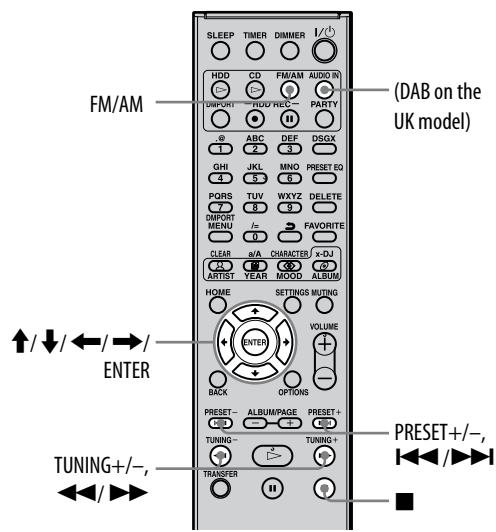
To see the entire text string for title, artist, genre, or album name*2, press ↑/↓ to select the respective box and press ENTER. Press ↑/↓ to scroll the display.

*2 Appears only in the track (ID3) details display.

Listening to the radio or DAB services

You can tune in radio stations or DAB services either manually or automatically. Pre-setting stations or services in advance allows you to recall them up by number.

DAB services can be received with the UK model only.



Note

All preset services that have been stored in the unit are cleared when you perform a DAB Initial Scan or when scanning is cancelled.

Selecting a radio station

- 1 Press FM/AM.
- 2 Press FM/AM repeatedly to select FM or AM.
- 3 Press and hold down TUNING +/-.
Scanning stops automatically when a station is tuned in. To cancel scanning, press ■ (Auto tuning).
To select the station manually, press TUNING +/- repeatedly until the frequency of the desired radio station appears (Manual tuning).

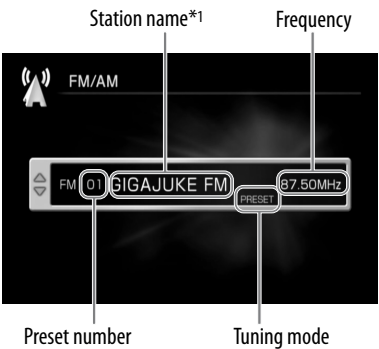
Performing DAB Initial Scan*

Press DAB.

DAB Initial Scan starts automatically when the DAB function is executed.

When scanning is completed, the DAB service that was first received starts.

If you want to perform a DAB Initial Scan again, enter the Options menu while the DAB function is still active, select [Initial scan], and then select [Yes].



*1 If the station provides RDS (Radio Data System) service, information provided by RDS will be displayed (on European models only).

* For the UK model only

Tips

- If you experience noise in an FM stereo broadcast, enter the Options menu and select [Setting] – [FM mode] – [Monaural]. The reception will no longer be stereo, but it will be clearer. To change back to stereo reception, do the same procedure and select [Auto stereo].
- For better broadcast reception, try changing the direction or location of the antenna. For example, position the antenna near or outside a window. If the reception does not improve, it is recommended to connect a commercially available external antenna.

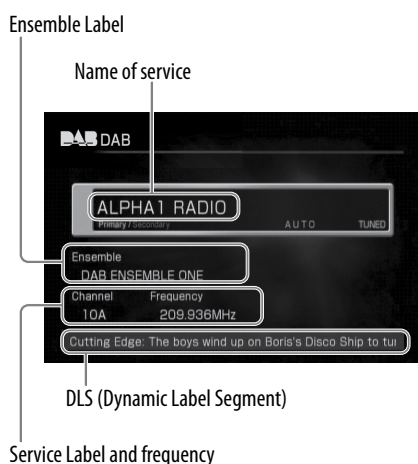
Receiving a DAB service*

Before you can receive DAB services, the broadcast components (service components) must first be registered by conducting a DAB Initial Scan (see “Performing DAB Initial Scan” on page 54).

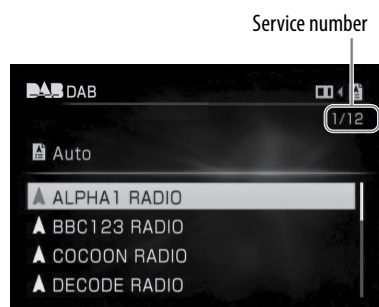
Press DAB, or enter the HOME menu and select [DAB].

The DAB main display appears and the unit starts receiving the services.

About the DAB main display



About DAB service component list



Other operations

To	Do the following:
Select different services	<p>Press ◀◀/▶▶ repeatedly to select the desired service.</p> <p>Press ◀ to display the service component list, press ↑/↓ to select the desired service, and then press ENTER.</p> <p>Press the corresponding numeric button to select the service number of the desired service.</p>
Switch between the primary and secondary components	Press ◀◀/▶▶.
Switch between “auto tuning” and “preset tuning” ^{*1}	Enter the Options menu and select [Mode switch].

^{*1} When you switch from “auto tuning” to “preset tuning”:

- The unit changes to the preset tuning display and begins receiving the service for the last preset number used.
- “No preset” appears in the preset tuning display if the last preset number used was cleared.

* For the UK model only

Viewing detailed information for a radio station

Enter the Options menu and select [Detail info].

To see the entire text string for the information, press **↑/↓** to select the respective box of the desired items.

Viewing DLS information

Enter the Options menu and select [Show full DLS].

DLS information appears in the display.

Presetting radio stations or DAB services*

To preset an FM or an AM station

- 1 Enter the FM/AM function and select FM or AM.
- 2 Enter the Options menu and select [Store preset].
- 3 Select a preset number.
- 4 Select [Station] and enter the name of the radio station.

When you preset an FM station

If the radio station entered in this step provides information through RDS (Radio Data System), the unit will display this information in the station name display area. To use this feature, set [Indic. priority] to [RDS].

If the station does not provide RDS service, only the station name entered in this step will be displayed in the station name area.

- 5 Select [Frequency] and adjust the frequency using **↑/↓**.
If you select [Auto-tuning] from the [Tuning mode] pull-down menu, scanning is done automatically until a station is detected.
- 6 Select [Apply].
To preset another station, repeat the procedure from step 3.

Tips

- If you set [Indic. priority] to [Station], but enter no station name in step 4, RDS information will appear in the station name area whenever it is provided by the station.
- To change an FM stereo broadcast to monaural reception in order to improve the reception quality, select [FM mode] during the preset registration display and select [Monaural]. To change back to stereo reception, select [Auto stereo]. This selection is saved as part of the preset station setting.

To preset a DAB service*

By presetting DAB services, you can easily receive them later merely by selecting the corresponding preset number.

- 1 While the screen shows the main display, receive the desired DAB service.
- 2 Enter the Options menu and select [Store preset].
- 3 Select a preset number.
- 4 Select [Yes].
To preset another service, repeat the procedure from step 1.

Tip

Secondary services can also be preset.

* For the UK model only

To listen to the preset FM/AM station or DAB service*

Press **↑/↓**, **PRESET +/-**, or the numeric buttons (for DAB preset only) to select the preset station or service.

To clear presets

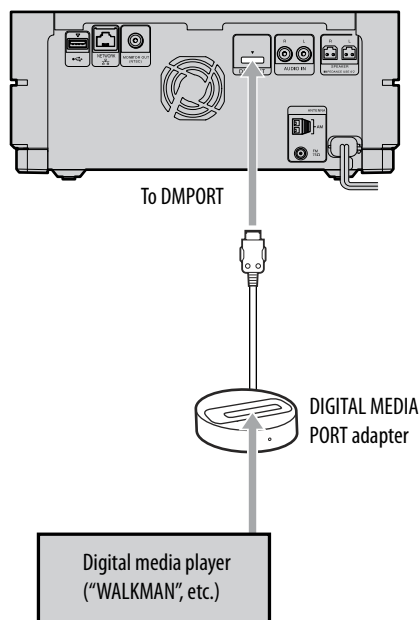
- 1** While the screen shows the main display or the list display, enter the Options menu and select [Clear preset].
- 2** Select the preset number you want to clear and press **ENTER**.
- 3** Select [Yes].

* For the UK model only

Connecting a digital media player to DMPORT (DIGITAL MEDIA PORT)

You can listen to or record the playback sound from a digital media player (such as a portable audio player) that supports a DMPORT connection.

Connect the DIGITAL MEDIA PORT adapter to the unit and the external digital media player. You can operate the connected digital media player from the unit.

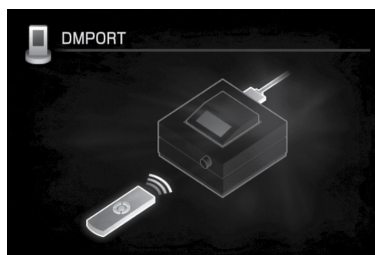


1 Select the DMPORT function or press DMPORT.

2 Connect the DIGITAL MEDIA PORT adapter to the DMPORT on the unit and to the external digital media player.

If the DIGITAL MEDIA PORT adapter supports the operation of the buttons on the unit and remote control, a figure of a remote control lights up in the display. If the figure is not displayed, the connected digital media player cannot be operated from this unit.

3 Play the connected digital media player.



The playback sound is output from the unit's speakers.

Refer to the operating manual of the DIGITAL MEDIA PORT adapter or the connected digital media player.

Tips

- You can carry out iPod menu operations when it is placed on the DIGITAL MEDIA PORT adapter. To do this, press DMPORT MENU.
- You can connect or disconnect the DIGITAL MEDIA PORT adapter to or from the DMPORT while the unit is on.

Notes

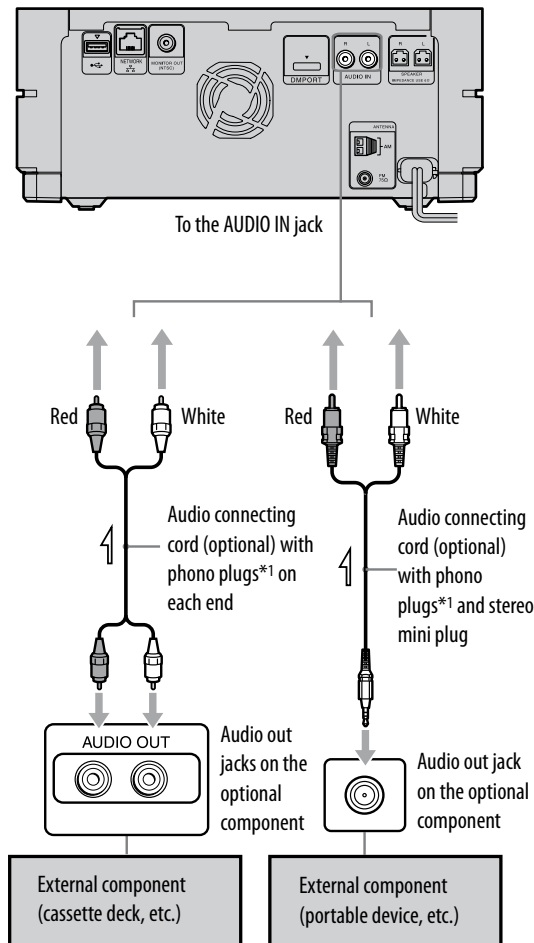
- Depending on the type of DIGITAL MEDIA PORT adapter, you may not be able to operate the connected digital media player using the buttons on the remote or the unit. In this case, use the controls on the digital media player to operate it. Refer to the operating manual of the DIGITAL MEDIA PORT adapter or the connected digital media player.
- Available DIGITAL MEDIA PORT adapters vary in each area.
- Do not connect an adapter other than the DIGITAL MEDIA PORT adapter.
- When using a DIGITAL MEDIA PORT adapter that has video output function, connect the adapter directly to the TV.

Connecting an external component (AUDIO IN)

You can listen to or record playback sound from an external component (such as a cassette deck) connected to the AUDIO IN jack on the top or rear of the unit.

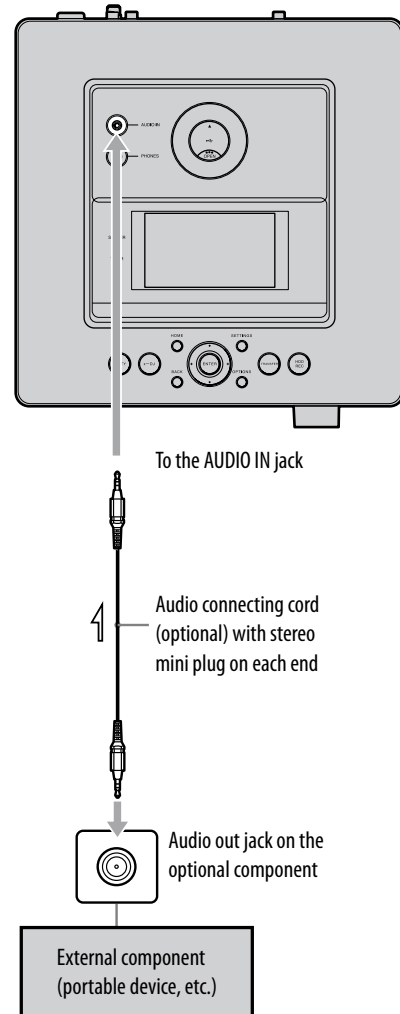
Use an audio connecting cord (optional) to connect the AUDIO IN jack on the unit to the audio out jack on the external component. Make sure the audio connecting cord is firmly inserted into both jacks. If not, noise may be generated in the sound output.

Connecting to the AUDIO IN jack on the rear

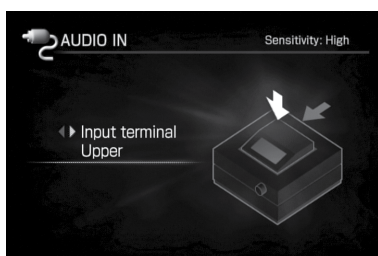


*1 Make sure the white plug is connected to the white jack and the red plug to the red jack.

Connecting to the AUDIO IN jack on the top ("Upper")



-
- 1 Press AUDIO IN, or enter the HOME menu and select [AUDIO IN].



-
- 2 Press ←/→ to select [Upper]*1 or [Rear].

*1 Factory setting

-
- 3 Play the connected component.

The playback is output from the speakers of the unit.

Refer to the operating manual of the connected component.

To adjust the input level (when a component is connected to the AUDIO IN jack on the top of the unit)

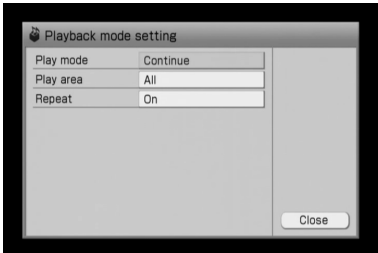
If the sound volume is too high or too low, you can change the input level on the unit.

Enter the Options menu and select [Setting]
– [Sensitivity] – [High sens.] or [Low sens.].

Repeat play • Shuffle play HDD CD

You can listen to tracks in random order (shuffle play) or one track repeatedly (repeat play).

- 1
- While the unit is stopped in the HDD JUKEBOX function, enter the Options menu and select [Setting] – [Play mode].



- 2
- Select the item to be set.
- 3
- Set each item.
In the pull-down menu, select and set each item (shown in the “List of settings” below).
- 4
- Select [Close].
The settings appear in the main display.



List of settings

Play mode

◆ Continue (none)	The unit plays the tracks of the selected list in sequential order.
Shuffle SHUF	The unit plays the tracks in the selected list in random order.

(◆: Factory setting)

Play area (for CD*1 playback)

Play area	The unit
Group/Album GROUP ALBUM	Plays all tracks in the selected group (ATRAC) or album (MP3).
◆ ALL ALL	Plays all tracks in the album list.

(◆: Factory setting)

*1 You cannot select the play area for audio CDs (CD-DA).

Play area (for HDD Jukebox playback)

The tracks that are played back depend on the selected listing mode (page 43).

Selected listing mode	Play area	The unit
Album	Album ALBUM	Plays all tracks in the selected album.
	◆ ALL ALL	Plays all tracks in the album list.
Artist	Album ALBUM	Plays all tracks in the selected album.
	Artist ARTIST	Plays all tracks in the selected artist.
	◆ ALL ALL	Plays all tracks in the artist list.

Selected listing mode	Play area	The unit
Genre	Album ALBUM	Plays all tracks in the selected album.
	Genre GENRE	Plays all tracks of the selected genre.
	◆ ALL ALL	Plays all tracks in the genre list.
Recording source	Album ALBUM	Plays all tracks in the selected album.
	Recording source SOURCE	Plays all tracks recorded from the selected recording source.
	◆ ALL ALL	Plays all tracks in the recording source list.
Folder	Group GROUP	Plays all tracks in the selected group.
	Folder FOLDER	Plays all tracks in the selected folder.
	◆ ALL ALL	Plays all tracks in the folder list.
Playlist	List LIST	Plays all tracks in the selected playlist.
	◆ ALL ALL	Plays all tracks that are registered to playlists.

(◆: Factory setting)

Repeat

◆ Off (none)	Repeat play is off.
On ↶	The unit repeats all the tracks in the play area.
Track ↶1	The unit repeats only a single track.

(◆: Factory setting)

Searching and obtaining title information

You can search for title information from the unit's database and add the information to albums or tracks.

1 Select the album or track whose information you are looking for, enter the Options menu, and then select [Obtain title info].

2 Select [Album], [Track], or [Block add].

Album	You can add titles (album name, artist name, etc.) to an album. It can be performed only when the tracks in the album are in the same order as the original album.
Track	You can find the title for individual tracks. It is convenient for correcting wrong titles.
Block add	You can add titles one at a time for tracks in an album. It is convenient for performing a batch search for albums whose tracks were recorded to the HDD Jukebox in a different order from the original album.

The search starts.

3 If the search results produce multiple matches for the album or track (only when you select [Album] or [Track]), select the desired item, and then select [Obtain].

To obtain different information

When the unit is connected to the Internet, you can search for the latest title information from the database over the Web. See "Obtaining the latest title information" (page 84) for details.

Saving image files HDD

You can import image files from the shared folder in your computer through a network or a USB storage device and save the files to albums, groups, tracks, or playlists.

The following file formats can be saved.

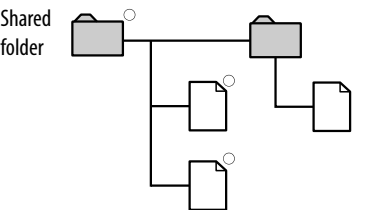
- JPEG*¹ (extension: jpg or jpeg)
- GIF*¹ (extension: gif)

*¹ Up to 6,300,000 pixels (6,291,456 pixels)

Before saving

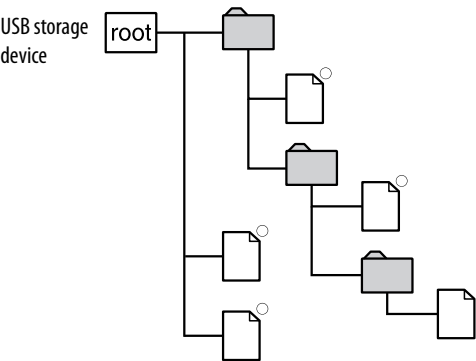
Files that can be saved are marked by ○ in the following figures.

Shared folder in your computer



Only files that are contained in the shared folder can be saved.

USB storage device



Files in directories up to the third-level can be saved.

Note

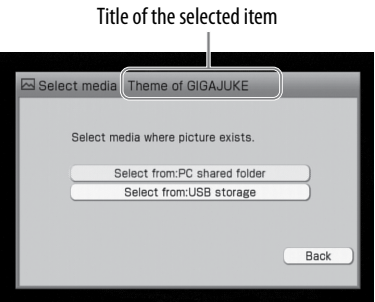
If two USB storage devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.

1 While the unit is in the HDD JUKEBOX function, select the item (album, group, track, or playlist) for which you want to save an image.

2 Enter the Options menu and select [Edit] – [Add picture].

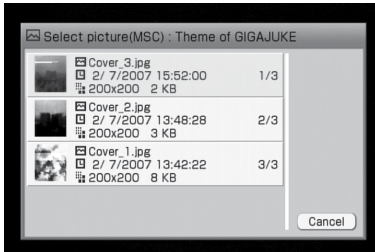
3 Select [Yes].

The title of the selected item (album, track, etc.) appears on the top of the media selection display and the image confirmation display.



4 Select the device that has the desired image file.

If you select the PC shared folder, the shared folder setting display appears. Confirm the contents, select [Connect], and then press ENTER (page 103).



5 Select the desired image file.

The image confirmation display appears.

6 Select [Yes].

The selected image file is saved.

If the selected item already has an image file, an overwrite confirmation window appears.

If you want to replace the existing image file, select [Yes].

When saving an image file for an album in an album directory or for a group in a group directory, a dialog box will appear asking if you also want to add the image to the tracks also.

To delete an image file

Enter the Options menu and select [Edit] – [Edit info], select the item from which you want to delete an image, and then select [Del picture].

Note

An image file cannot be recovered after it has been deleted or replaced.

Tip

You can save images using the Options menu.

Enter the Options menu and select [Edit] – [Edit info] – [(the corresponding item)] – [Add picture] to save an image. If a media selection window appears, do the above procedure from step 4.

Changing titles

You can change names of folders, groups, albums, tracks, artists, genres and playlists.

- 1 While the unit is in the HDD JUKEBOX function, select [Display] – [Mode switch] – [(the desired listing mode)], and then select the item (folder, album, group, track, or playlist) whose name you want to change.
- 2 Enter the Options menu and select [Edit] – [Edit info].
- 3 Select the item whose title you want to change.
- 4 Enter the title.
For details on entering text, see “Entering text” (page 72).
- 5 Select [Close].

To create a new genre

You can create a new genre name if the name you want is not in the list.

- 1 Select [New genre] in the information editing display in step 4 above.
The text input display appears.
- 2 Enter the genre name.
- 3 Select [Enter].


To clear unused genre

You can clear genres in the HDD Jukebox that are not being used.

- 1 Select [Clear genre] in the information editing display in step 4 above.
- 2 Select [Yes].

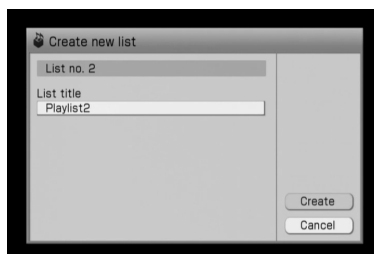
Creating a playlist

You can create a new playlist and register tracks to it. You can create a maximum of 1,000 playlists in the HDD Jukebox.

- 1 While the unit is stopped in the HDD JUKEBOX function, press  repeatedly until “Mode” directory appears, and then select the playlist mode.

The playlist directory appears.

- 2 Enter the Options menu and select [Edit] – [Create].



- 3 Select [List title].
The text input display appears.

4 Enter the playlist title.

5 Select [Create].

A new playlist is created.

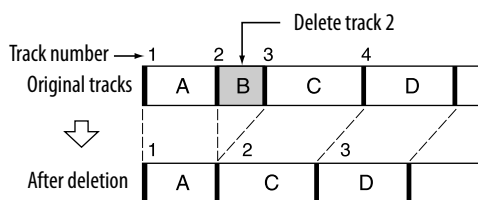
Deleting recordings

You can delete folders, albums, groups, tracks, or playlists in the HDD Jukebox.

Note that once a recorded item has been deleted, it cannot be recovered.

When you delete a track, all tracks following the deleted one are renumbered. For example, if you delete track 2, the following track 3 will be renumbered as track 2.

Example: When deleting track B



To delete tracks on a “WALKMAN” or a portable device

For details, see “Deleting tracks or playlists on the destination device” (page 40).

1 Enter the Options menu in the HDD JUKEBOX function and select [Display] – [Mode switch] – [(the desired listing mode)].

2 Press **←** to select the directory that corresponds with the item you want to delete.

3 Press DELETE on the remote control.

The selected item is checked ☒.

If you want to delete multiple items, select and check each one.



4 Select [Delete].

A confirmation window appears.

5 Select [Yes].

Tip

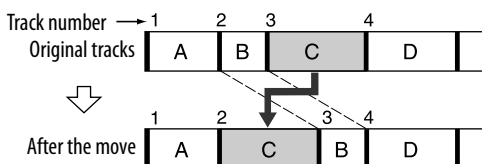
When deleting a track in a playlist, you can choose whether to delete the track's registration in the playlist or to delete the track itself.



Moving recordings

You can move folders, groups, tracks, or playlists to a specified location in the HDD Jukebox. Whenever you move a track or tracks, all the tracks are automatically renumbered.

Example: Moving track 3 ("C") to position 2



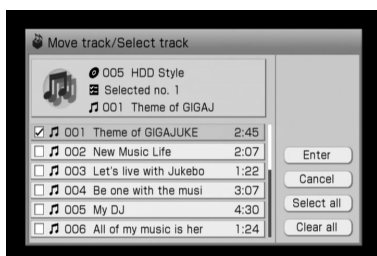
1 Enter the Options menu in the HDD JUKEBOX function and select [Display] – [Mode switch] – [(the desired listing mode)].

2 Press ← to select the directory (folder, group, track, or playlist) that corresponds with the item you want to move.

3 Enter the Options menu and select [Edit] – [Move].

Confirm that the desired item is checked ☒.

If you want to move multiple items, select and check each one.



4 Select [Enter].

The destination selection window appears.

5 Select the destination.

A confirmation window appears. To move the item to another folder, album, or group, select the destination folder, album, or group, and then select the destination in the item, using ↑/↓/←/→/ENTER.

6 Select [Yes].

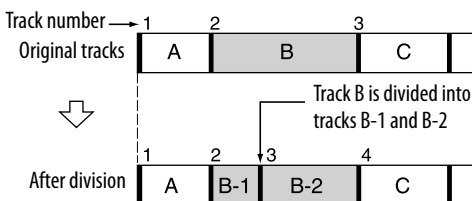
The item is moved to the selected location.

Dividing recorded tracks

You can divide a recorded track into two tracks. All the tracks following the divided one are then renumbered.

You can divide only Linear PCM-format or ATRAC-format tracks.

Example: Dividing track B into two tracks

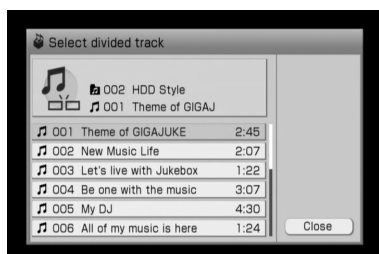


1 Enter the Options menu in the HDD JUKEBOX function and select [Display] – [Mode switch] – [Folder].

Note

Track division cannot be done except in the folder mode.

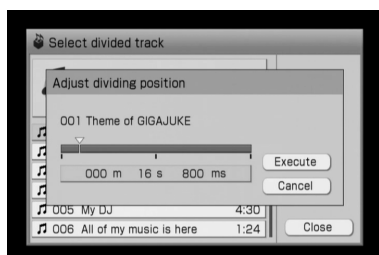
- 2 Enter the Options menu and select [Edit] – [Divide].



- 3 Select the track to be divided.

- 4 Press ENTER at the point where the track is to be divided.

The unit plays repeatedly the first two seconds of the track from the point where you pressed ENTER.



Press **↑/↓/←/→** to shift the division point (m: minutes, s: seconds, or ms: milliseconds) so that the unit plays two seconds of the track from that point repeatedly.

- 5 When the division point is fixed, press ENTER.

- 6 Select [Execute].

The track is divided.

Note

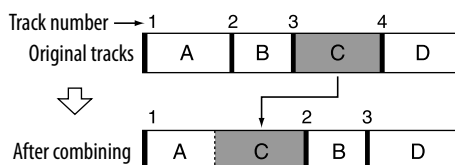
If you divide a track registered in a playlist, the track is deleted from the playlist.

Combining recorded tracks

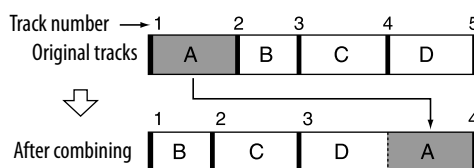
You can combine two tracks into a single track. All the tracks following the newly formed track are renumbered.

You can combine only Linear PCM-format or ATRAC-format tracks.

Example: Combining track C with track A



Example: Combining track A with track D



The name of the combined track is D.

- 1 Enter the Options menu in the HDD JUKEBOX function and select [Display] – [Mode switch] – [Folder].

Note

Combining tracks cannot be done except in the folder mode.

- 2 Select the first track.

- 3 Enter the Options menu and select [Edit] – [Combine].

Confirm that the selected track is checked



4 Select the second track.

5 Select [Combine].

6 Select [Execute].

The tracks are combined in the order checked.

To change the order of the selected tracks

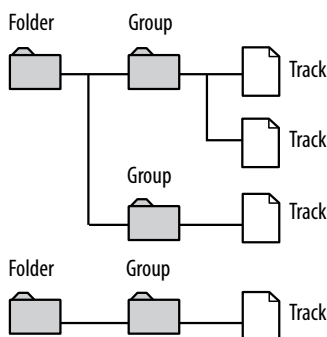
Select [Switch] after performing step 5.

Notes

- You cannot combine tracks with different audio formats or bit rates.
- If you combine a track registered in a playlist, the track is deleted from the playlist.

Creating a folder or a group

You can create a new folder or a new group and store or move tracks to it.



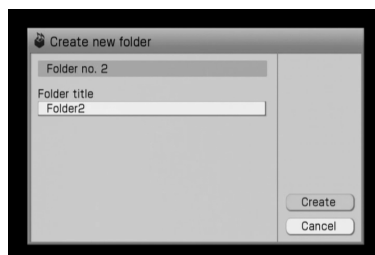
Tip

Only groups can be created in folders. Groups can contain only tracks.

1 While the unit is stopped in the HDD JUKEBOX function, enter the Options menu and select [Display] – [Mode switch] – [Folder].

2 Press ← repeatedly to select the folder (when creating a folder) or group (when creating a group) directory.

3 Enter the Options menu and select [Edit] – [Create].



4 Select [Folder title] or [Group title].
The text input display appears.

5 Enter the title.

6 Select [Create].

Converting the audio format of tracks

You can convert tracks in the Linear PCM format to the MP3 format.

This function is convenient when you need more space on the HDD.

Notes

- Tracks in the MP3, WMA, ATRAC3, or ATRAC3plus format cannot be converted.
- When the audio format of a track is changed, the original Linear PCM track is deleted.

Tip

Linear PCM-format tracks can be converted when they are transferred. In this case, the original Linear PCM-format tracks will remain in the HDD Jukebox.

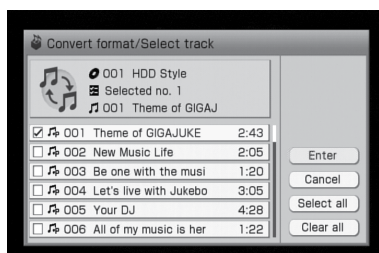
1 Enter the HDD JUKEBOX function and select the track whose format is to be converted.

2 Enter the Options menu and select [Edit] – [Convert format].

Confirm that the selected track is checked

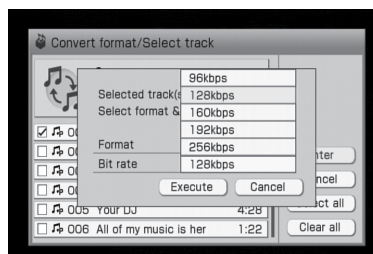


If you want to convert multiple tracks, check each one.



3 Select [Enter].

A bit rate selection window appears.



4 Select the bit rate (page 29) in the pull-down menu.

5 Select [Execute].

The audio format is converted.

Note

You can convert a maximum of 99 tracks at the same time.

Entering text

You can enter text using the supplied remote control, as you would with your mobile phone.

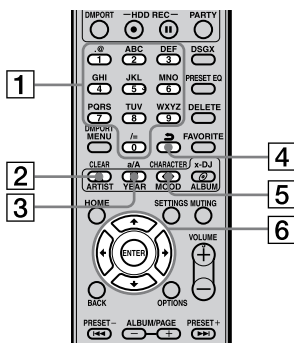
To select the input language

Select the input language to enter characters in that language.

While the screen shows the text input display (this page), enter the Options menu and select [Language] – [(the desired language)].

Tips

- Changing the input language does not cause the display language (page 25) to change.
- Refer to “List of input characters” (page 130) to find out which characters you can use.



The illustration above uses the models except the UK model.

1 Numeric/text buttons

Press the button with the desired letter (ABC, DEF, etc.). Press repeatedly until the desired letter appears.

2 CLEAR button

Press this button to erase a letter that was just entered.

3 a/A button

Press this button to switch between lowercase and uppercase letters.

4 ↶ button

Press this button before pressing ENTER to go to the previous character.

5 CHARACTER button

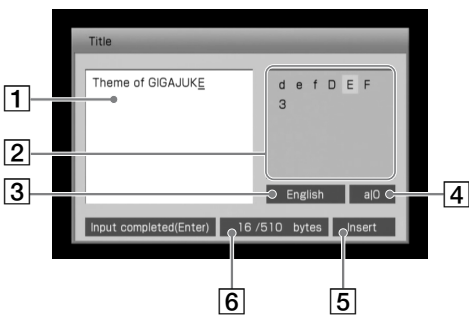
This button selects the character type. Each time you press the button, the type changes as follows:

- When the input language is set to English:
[English alphanumeric characters] → [English alphanumeric characters (including umlaut characters)] → [Numbers] → ...
- When the input language is set to a language other than English:
[Alphanumeric characters in the selected language] → [Numbers] → ...

6 ↑/↓/←/→/ENTER buttons

- ↑/↓/←/→ buttons
Use these buttons to move the cursor.
- ENTER button
Press this button to enter a text string or setting.

Text input display



1 Text input area

Displays the text that you enter.

2 Character palette

Displays the selectable characters.

3 Input language display area

The selected input language (this page) appears.

4 Character type display area

Each time you press the CHARACTER button, the display changes as follows:

- When the input language is set to English:

Display	Type of characters
a/0	Lowercase/uppercase English letters and numbers
A/0	Uppercase/lowercase English letters and numbers
à/0	Lowercase/uppercase English letters (including umlaut characters) and numbers
À/0	Uppercase/lowercase English letters (including umlaut characters) and numbers
0	Numbers

- When the input language is set to a language other than English:

Display	Type of characters
a/0	Lowercase/uppercase letters (including umlaut characters) and numbers
A/0	Uppercase/lowercase letters (including umlaut characters) and numbers
0	Numbers

5 Text input mode (overwrite/insert) display area

6 Input bytes display area

This area shows [Number of bytes entered / The maximum number of bytes].
The input of one character uses one byte.

Entering text

A text input display appears whenever you select an item that requires that you enter text.

- 1 Press CHARACTER repeatedly to select the desired character type.

- 2 Press the corresponding numeric/text buttons to enter the desired characters.

- 3 Press ENTER to input the text string.

Other operations

To	Do the following:
Restore the previous condition	Press BACK.
Move the cursor	Press ↑/↓/←/→ .
Enter uppercase/lowercase letters ("A" or "a")	Press a/A, or press the corresponding numeric/text button repeatedly.
Enter symbols (e.g., \$)	Enter the Options menu, select [Input symbol], and then select the desired symbol.
Switch text input mode (overwrite or insert)	Enter the Options menu and select [Insert] or [Overwrite].

To use the same text string in another place — Copy/Cut/Paste

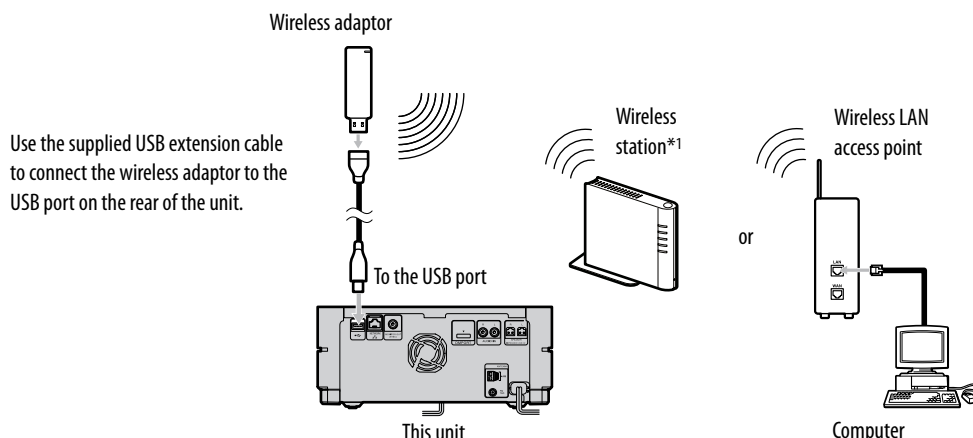
- 1 Enter the Options menu, select [Edit] – [Copy] or [Cut], and then press ENTER.
- 2 Press **←/→** to select the starting letter of the text string to be copied or cut, and then press ENTER.
- 3 Press **←/→** to select the last letter of the text string to be copied or cut, and then press ENTER.
If you selected [Cut], the text string is deleted from the sentence.
- 4 Move the cursor to the point where you want to paste the text string.
- 5 Enter the Options menu, select [Edit] – [Paste], and then press ENTER.
The text string is inserted at that point.
The text string will be inserted without overwriting the existing text even if the input mode is set to "Overwrite".

Connecting the unit to the Internet

If your computer is connected to the Internet, you can connect this unit to the Internet as well, either through a wireless or wired connection.

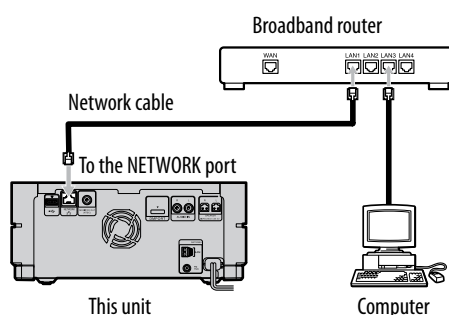
Network settings are automatically made by the unit when you turn on the unit for the first time after purchase with all the necessary devices connected (e.g., broadband router, wireless adaptor, etc.).

Wireless Internet connection



*1 Supplied with the NAS-SC55PKE

Wired Internet connection



Notes

- When using a wired network connection, disconnect the wireless adaptor from the unit.
- Refer to the operating manual for the broadband router or access point for details regarding the router or access point settings.

Connecting the unit to the Internet through a wireless network

About installing the wireless adaptor

The quality of the wireless connection may vary according to the orientation of the wireless adaptor.

If your unit cannot obtain a good connection, adjust the direction of the wireless adaptor. (This will depend on the environment in which it is being used.)

When using Instant (S-IWS) connection (NAS-SC55PKE only)

You can use the Instant (S-IWS) connection to connect the unit to a network. For details, refer to the “Quick Connection and Setup Guide” supplied with the NAS-SC55PKE. (S-IWS is an abbreviation of “Sony Instant Wireless Audio Setup”).

When using AOSS connection

You need the following devices.

- **Wireless adaptor (supplied)**
- **Wireless station*¹ or AOSS-compatible wireless LAN access point (WHR-HP-G54*²)**
Automatic setup is possible with these devices. (Automatic setup is also possible with an access point other than the models mentioned above, as long as it is compatible with AOSS.)

*¹ Supplied with the NAS-SC55PKE

*² WHR-HP-G54 is a BUFFALO AOSS-compatible access point.

If you do not have the wireless station or an AOSS-compatible access point

You can set up a wireless network with the following devices.

- **Wireless adaptor (supplied)**
- **AOSS-incompatible wireless LAN access point**
Automatic setup is not possible. The setup must be done manually or through a search for settings.

About AOSS

The AOSS (AirStation One-Touch Secure System) is a technology developed by BUFFALO that simplifies connections and settings for wireless networks.

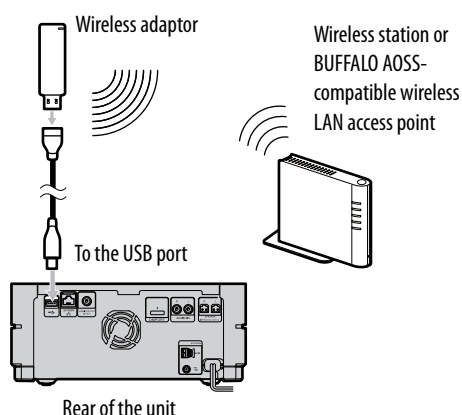
Connecting and setting up a wireless network (AOSS setup)

The wireless network settings through an AOSS connection can be automatically performed when you use the supplied wireless adaptor and the wireless station (NAS-SC55PKE only). It can also be set with the supplied wireless adaptor and the optional AOSS-compatible wireless LAN access point WHR-HP-G54 (an access point other than the WHR-HP-G54 can be used if it is compatible with AOSS).

With these devices, the setup can be automatically done with one push of a button.

Prepare the wireless station or the access point in advance. For details, refer to the “Quick Connection and Setup Guide” supplied with NAS-SC55PKE or the operation manual of the access point.

- 1 Connect the supplied wireless adaptor to the USB port on the unit.



Use the supplied USB extension cable to connect the wireless adaptor to the USB port on the rear of the unit.

- 2 Enter the Settings menu and select [Network setting].

- 3 Select [Manual setting].

- 4 Select [LAN] – [Wireless].

- 5 Select [Wireless LAN setting].

- 6 Select [Access point setting] – [Automatic setting: AOSS].

Follow the instructions that appear in the display. When you are instructed to press the AOSS button, press and hold the AOSS button on the access point until the AOSS or the SECURITY indicator flashes. The access point will then be automatically set.

- 7 Select [Save].

- 8 Select [Close].

The wireless network settings are completed.

To confirm if the unit is connected to the network

Select [Check connections] in the network setting display.

If the unit has difficulty connecting to the network, check the access point setting and IP address setting (“Confirming and changing the network settings” on page 81).

Searching the access point and setting up the wireless network

When using the supplied wireless adaptor and an AOSS-incompatible wireless LAN access point, you will need to set up the wireless network either manually or by searching the access point. Automatic setup is not supported.

Prepare the access point in advance. For details, refer to the operation manual of the access point.

- 1 Connect the supplied wireless adaptor to a USB port on the unit.

- 2 Enter the Settings menu and select [Network setting].

- 3 Select [Manual setting].

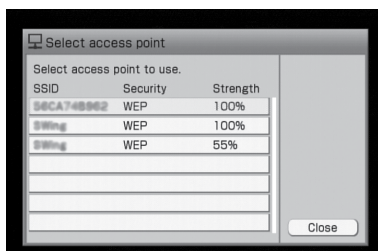
- 4 Select [LAN] – [Wireless].

- 5 Select [Wireless LAN setting].

-
- 6** Select [Access point setting]
– [Search for available access point].

An SSID list of connectable access points appears.

The SSID (Service Set Identifier) is used to identify the access point within the wireless network.

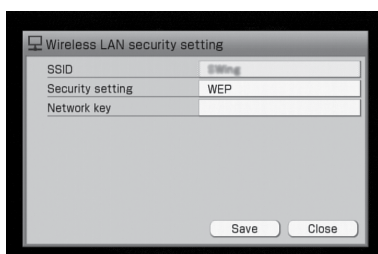


Tip

You can set the access point manually by selecting [Manual setting] in step 6.

-
- 7** Select the access point from the search results.

-
- 8** Set the network key.



A network key (security key) is required only when [WEP] appears as the security setting. If you do not know the security key, check the access point setting. After entering the key, select [Save].

-
- 9** Select [Close].

The wireless network setting is completed.

To confirm if the unit is connected to the network

Select [Check connections] in the network setting display.

If the unit has difficulty connecting to the network, check the access point setting and IP address setting (“Confirming and changing the network settings” on page 81).

Connecting the unit to the Internet through a wired network

Preparations for a wired connection

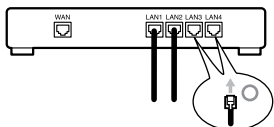
You need the following devices to connect the unit to a wired network.

- LAN cable (network cable)
- Broadband router
- Hub (if a port is unavailable on the broadband router)

The connection configuration depends on whether an unused port is available on the device to which your computer is connected.

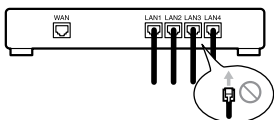
When an unused port is available on the broadband router to which your computer is connected

Connect the unit to the broadband router with a LAN cable.



When an unused port is not available on the broadband router to which your computer is connected

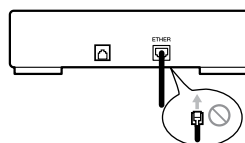
You need to add a hub. Connect the hub to the broadband router, and then connect the unit to the hub.



When there is only one port on the device and your computer is connected to the port

You need to add a broadband router. Disconnect your computer from the device and connect a broadband router to the device. Then connect your computer and the unit to the router.

For details on the setup procedure, refer to the operating manual supplied with the broadband router.



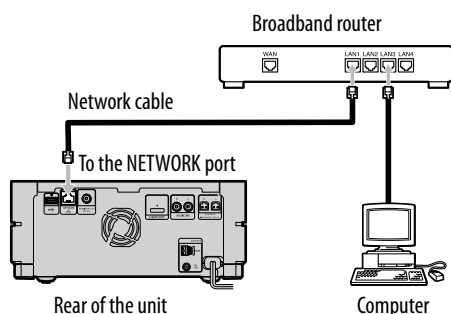
Connecting and setting up a wired network (Automatic setting)

This section explains the setup for a wired network.

When you turn on the unit for the first time

If your unit is newly purchased and you connect it to the device (broadband router, hub, etc.) that has been connected and set up for your computer, the unit will automatically set up the wired network when you turn it on for the first time. If the unit fails to connect to the network, do the following procedure.

- 1 Connect the unit to the device (broadband router, hub, etc.) that is connected to your computer.



- 2 Enter the Settings menu and select [Network setting].
- 3 Select [Auto setting].
Follow the instructions that appear on the display.
When the unit connects to the network, a pop-up window will appear, indicating that the connection has been completed, followed by the network setting display.

Note

If the unit does not connect to the network, check the connection between the devices.

To setup the network manually (Manual setting)

If you cannot make a network connection with the automatic setting or if you want to connect the unit to the network through a wired connection after having connected through a wireless connection, you need to set up the network manually.

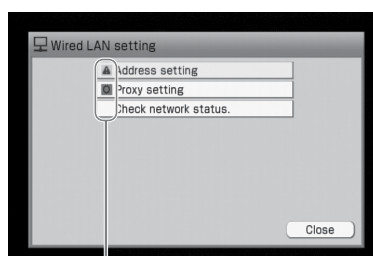
Additional settings may be required, depending on the specifications of the Internet provider or the way the router is being used.

- 1 Enter the Settings menu and select [Network setting].
- 2 Select [Manual setting].

Note

If you select [Manual setting] after the unit has been connected to the network using an automatic setting, the connection stops. To reconnect to the network with the automatic setting, select [Auto setting].

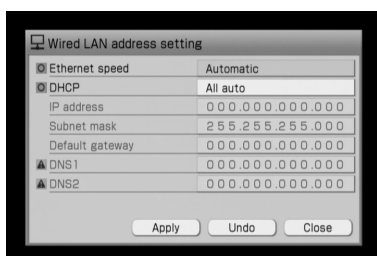
- 3 Select [LAN] – [Wired].
- 4 Select [Wired LAN setting].
“Checking Network setting” appears in the display, and then the setup display appears.



○: This item does not need to be set.

△: This item must be set. In this case, go to step 5.

5 Select [Address setting].



Check the following items.

- Confirm that [Ethernet speed] is set to [Automatic].
- Confirm that [DHCP] is set to [All auto]. The IP address will be obtained automatically with this setting.

Note

You may need to enter the IP address manually, depending on your Internet service provider. See “Setting up the IP address/proxy server” (page 82) for details.

6 Select [Apply].

The setting is updated.

7 Select [Close].

The network setting is completed.

To confirm that the unit is connected to the network

Select [Check connections] in the network setting display.

Tip

If the unit has difficulty connecting to the broadband router or a hub, selecting [100Mbps] or [10Mbps] in step 5 sometimes solves the problem. Furthermore, confirm the IP address setting (see “Confirming and changing the network settings” on page 81).

Confirming and changing the network settings

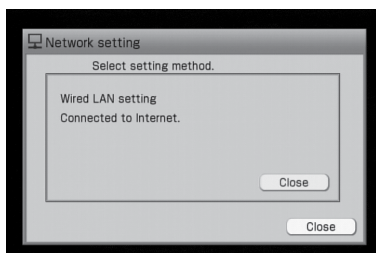
If you encounter difficulties connecting to the Internet, check the connection settings or network status, and change the settings. Doing this may solve the problem.

Checking the network status

If the connection method changes (for example, wireless to wired) or the connection status changes, a pop-up window appears for about four seconds at the top of the display.

To check the network connection settings

- 1 Enter the Settings menu and select [Network setting].
- 2 Select [Check connections].



If the message “Connected to home network. No connection to Internet.” appears, do the procedure “To check the network status” below to check the network status.

To check the network status

- 1 Enter the Settings menu and select [Network setting].
 - 2 Select [Manual setting].
 - 3 Select [Wireless LAN setting] or [Wired LAN setting].
 - 4 Select [Check network status] in the wireless or wired LAN setting display.
 - 5 Select [Execute].
The unit starts checking the network status. It may take for a few minutes until the unit finishes checking.
When the unit finishes checking, [OK] or [NG] appears for each item.
 - If [OK] appears for all items, go to step 8.
 - If an [NG] appears, go to step 6.
 - 6 Select [Details] for items marked by an [NG].
The display shows the assumed cause of the problem.
 - 7 Follow the instructions that appear in the display to make the settings again, and then repeat steps 5 and 6 until the [NG] changes to [OK].
- Tip**
Due to the limitations of some network environments (such as office LANs), [OK] may not appear for some items. This need not have any effect on the unit's ability to connect to the network. If there is a problem connecting, please contact the network administrator.
- 8 Select [Close].

Setting up the IP address/ proxy server

You may have to set the IP address and proxy server, depending on the specifications of the Internet provider or the network setting (e.g., broadband router status, wireless LAN router status).

For details on the input values in the following procedures, refer to the operating manual of the respective device or the information provided by your Internet provider.

To set the IP address manually

- 1 Enter the Settings menu and select [Network setting].
- 2 Select [Manual setting].
- 3 Select [LAN] – [Wireless] or [Wired].
- 4 Select [Wireless LAN setting] or [Wired LAN setting].
- 5 Select [Address setting].
- 6 Select [DNS manual] or [All manual] for the [DHCP] setting.
- 7 Enter the values provided by your Internet service provider for [IP address], [Subnet mask] and [Default gateway].

Locate the cursor over the parameter, and press **↑/↓** to enter each digit.

IP address	A numeric address that is assigned to each device in a network.
Subnet mask	A value used to delimit a network by defining the range of assignable IP addresses.
Default gateway	A device (such as a computer or broadband router) on a network that serves as a gateway for accessing another computer outside of the network. This device is specified by an IP address.

- 8 Select [Apply].
- 9 Select [Close].

Tip

To restore the previous setting, select [Undo] before doing step 8.

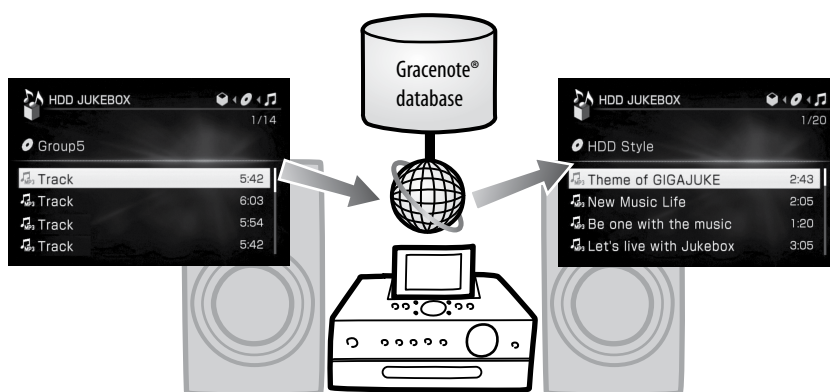
To set up a proxy server

- 1 Enter the Settings menu and select [Network setting].
- 2 Select [Manual setting].
- 3 Select [LAN] – [Wireless] or [Wired].
- 4 Select [Wireless LAN setting] or [Wired LAN setting].
- 5 Select [Proxy setting].
- 6 Change the [To Internet] setting to [Connection via proxy].
- 7 Enter the address that have been given from the Internet service provider for [Proxy server] and number for [Port].
- 8 Select [Close].

What you can do through an Internet connection

Obtaining the latest title information

Through an Internet connection, you can obtain title information to tracks that were not labeled when you recorded or imported them.



Obtaining the latest title information

This unit features a database containing a given amount of information on CDs provided by the Gracenote® Music Recognition Service. If the unit is connected to the Internet (page 74), this function allows you to obtain title information not contained in the database on the Internet. Gracenote® Music Recognition Service provides such information as album names, artist names and track names from its online title information database server.

Note

This function does not support obtaining information for data CDs.

To obtain the latest information on a CD

This unit automatically obtains title information whenever a CD is loaded; however, you can obtain this information manually.

- 1 Enter the Options menu and select [Title info] – [Obtain].
- 2 Select [Search] while the search results are displayed.

To clear the title information

Enter the Options menu and select [Title info] – [Clear].

To obtain the latest information on audio data in the HDD Jukebox

- 1 Select the album or track whose information you are looking for, enter the Options menu, and then select [Obtain title info].

- 2 Select [Album], [Track], or [Block add].

Album	You can add titles (album name, artist name, etc.) to an album. It can be performed only when the tracks in the album are in the same order as the original album.
Track	You can find the title for individual tracks. It is convenient for correcting wrong titles.
Block add	You can add titles one at a time for tracks in an album. It is convenient for performing a batch search for albums whose tracks were recorded to the HDD Jukebox in a different order from the original album.

The search starts.

- 3 If the search results produce multiple matches for the album or track (only when you select [Album] or [Track]), select the desired item, and then select [Obtain].
- 4 Select online [Search] while the search results are displayed.

The unit starts searching again for title information and updates the search results if anything is found. The search results will be updated even if the same information is found.

When multiple search results are displayed for a CD

Select the desired information from the list.

To see track information for an album

Select the album from the displayed list.

Importing files from a shared folder on the computer

When the unit is connected to a network, you can import audio files from shared folders on your computer to the HDD Jukebox.
To do this, the folder must be specified as a shared folder in advance (page 103).

Note

You can import a maximum of 10,000 tracks at a time (page 112).

- 1 Select the HDD JUKEBOX function.
- 2 Enter the Options menu and select [Transfer file] – [Import] – [PC shared folder].
- 3 Set the items listed below, and then select [Connect].

PC name	The computer name or an IP address (up to 15 letters/ numbers)
Share name	The shared name that was entered when the folder was set to be shared (page 103)
User name	The user name that was used to access the computer when the folder was set to be shared
Password	This is needed only when a password was entered for the shared folder.

- 4 Select the albums to be imported.
The selected items will be checked .
You can remove a check mark by pressing ENTER again.
- 5 Select [Import].

Setting the clock through an Internet connection

You can set the clock by connecting the unit to the NTP (Network Time Protocol) server on the Internet.
Before using this function, make sure the network setup has already been done (page 74).

1 Enter the Settings menu and select [Clock setting].

The clock setting display appears.

2 Select [Online auto-sync clock setting].

3 Select [On].

4 Select the desired city from the [Time zone] setting.

If the desired city does not appear in the [Time zone], select a city that is within the same time zone as the desired city.

5 Select [Standard] or [Summer time] for the [Summer time] setting.

6 Select [Server name].

The text input display appears.

If [NtpServer] appears, the unit connects to the server that has been set. If the server name is okay, go to step 8.

7 Enter the server name.

For details on entering text, see “Entering text” on page 72.

8 Select [Apply].

The clock is automatically set.

9 Select [Close].

To restore the server name to its factory setting

In step 7, press the CLEAR button repeatedly until the server name is deleted.

To cancel the procedure

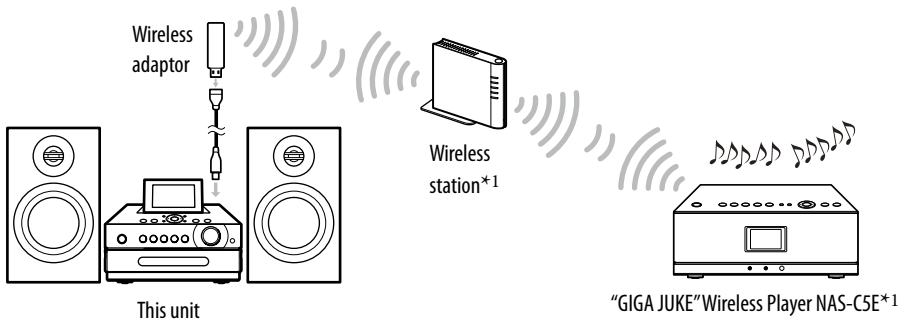
Press BACK.

Notes

- The unit may not be able to connect to the NTP server if the Internet setting has not been correctly done.
- If you are using a proxy server, transmissions may not be relayed to the NTP server. If this happens, consult your Internet service provider.

About the server and client functions of the unit

You can connect the unit to the “GIGA JUKE” Wireless Player NAS-C5E*¹ (client) through a wireless network and play audio data stored on the unit through the client’s speakers.



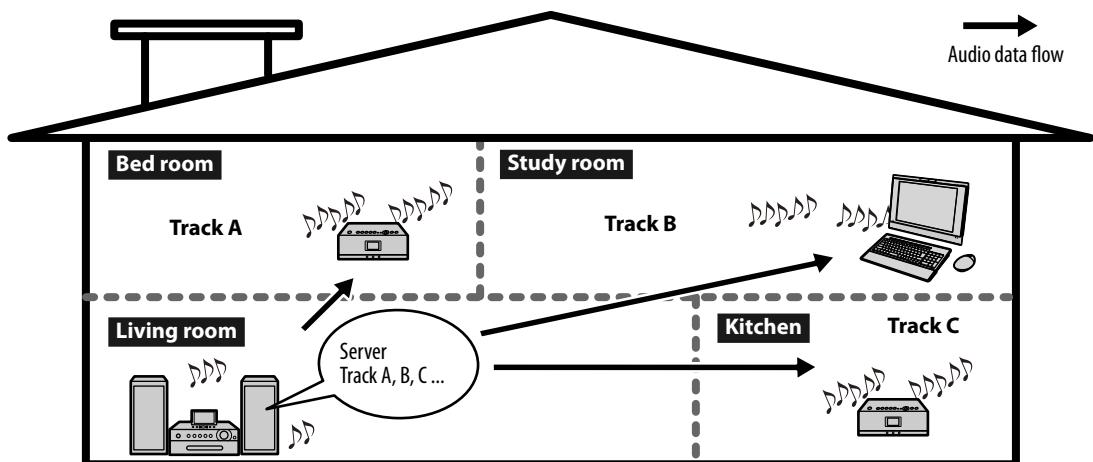
*¹ Supplied with the NAS-SC55PKE. The “GIGA JUKE” Wireless Player NAS-C5E can be separately purchased.

With the Home Network function, you can use another DLNA-compatible device to listen to audio data stored on the unit (server function), or use this unit to listen to audio data stored on another device, such as a computer (client function).

The server function

If you use this unit (“GIGA JUKE” Music Server) as a server and connect it to a “GIGA JUKE” Wireless Player NAS-C5E, different tracks can be played on the unit and the “GIGA JUKE” Wireless Player at the same time. Furthermore, the server function on this unit supports the DLNA (Digital Living Network Alliance) standards, thereby allowing audio data stored on the unit to be played on any client device that supports the DLNA standards*¹.

*¹ For the latest information about clients that are compatible with this unit, refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only).



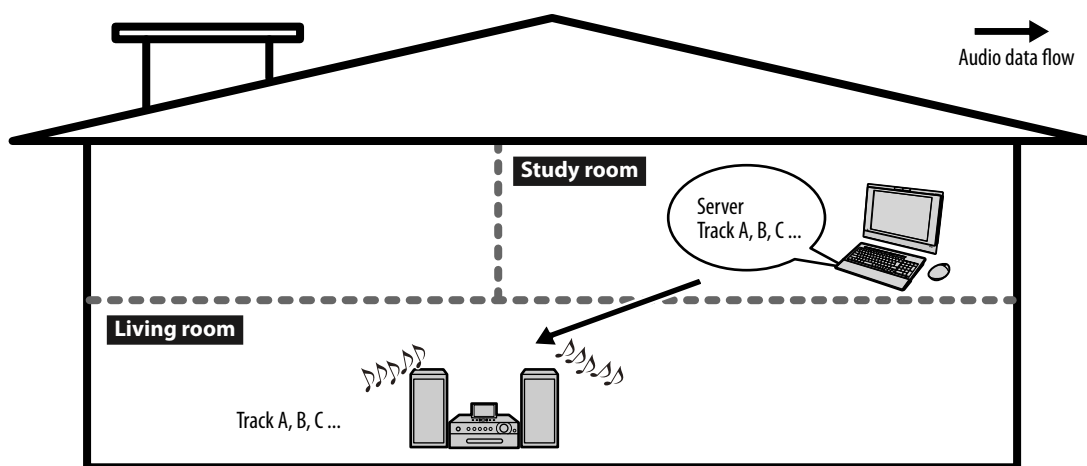
The number of clients that can be played at the same time depends on the audio format of the tracks and the network environment. For details, refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only).

As an additional feature, PARTY MODE allows you to listen to the same music in different rooms. If there are multiple devices capable of communicating with the unit, these devices can be invited by the unit, or “host”, to enter PARTY MODE as “guest” devices to play the same track that is being played on the unit. The unit can be a “guest” device as well, to enter PARTY MODE and play the same track that the “host” device is playing.

The client function

You can use the unit as a DLNA-compatible client and play audio data stored on a DLNA-compatible digital media server*¹.

*¹ For the latest information about servers that are compatible with this unit, refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only).



Using the unit as a server

The unit's server function is factory set to on. When you activate the server function with the Settings menu, a maximum of 20 clients can be connected to the unit. Any device recognized as a client is automatically allowed access. To change the client settings, see "To set the connection status of a client" (page 90).

The ability to use the server function in the various operation modes is as follows:

Operation mode	Use of the server function
Normal operation	Possible
Quick start-up standby	Possible
Standard (power save) standby	Impossible
Automatic analysis	Possible

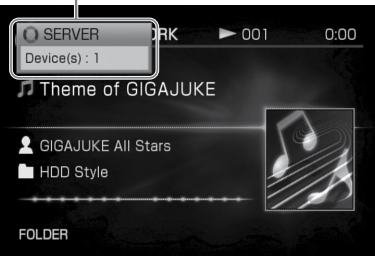
1 Connect the client to the unit and then select and play a track stored on the unit.

When playback starts, the SERVER indicator lights up yellowish green. If the client cannot connect with the unit (the SERVER indicator does not light up), check for the following possible causes.

- The standby mode of the unit is not set to quick start-up. → See "Setting the standby mode" (page 102).
- The client was not successfully registered by the unit. → See "To register a client manually" (page 90).
- The unit is set to refuse connection with the client. → See "To set the connection status of a client" (page 90).

Whenever the number of connected clients changes, a pop-up window appears in the display for about four seconds.

Number of client components that are connected



If audio data cannot be played on a client or a list of clients does not appear

If you want to play audio data that is in a format not supported by the client, select HOME NETWORK function on this unit. By doing so, however, the client becomes the only device that can connect to the unit.

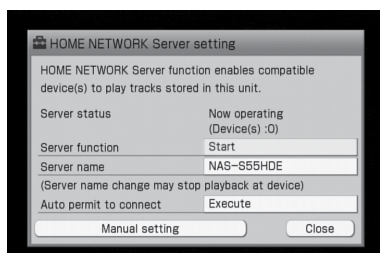
Notes

- If a client connects to the unit while the unit is analyzing audio data, the analysis stops. Analysis starts again when the client has stopped accessing the unit.
- The server function temporarily stops when the unit is
 - recording or importing audio data (including timer recording),
 - transferring audio data,
 - editing data (including manual analysis of audio data for x-DJ),
 - backing up data,
 - updating the system,
 - changing the display design,
 - moving audio data from the unit to another component, or
 - formatting the system.

To check the server settings

When a client cannot connect to the unit, check the unit's server settings.

- 1 Enter the Settings menu and select [Server setting].
- 2 When [Server function] is set to [Stop], select [Start] from the pull-down menu.



To change the server name

Select [Server name] and enter the new name in the text input display.

To disable automatic connection by clients

When [Auto permit to connect] is set to [Execute], audio data in the unit may be played by a third party. To disable automatic connection by clients, set this parameter to [Not execute].

- 3 Select [Close].

To set the connection status of a client

Access to the unit can be allowed or disallowed for specific clients.

- 1 Enter the Settings menu and select [Server setting].
- 2 Select [Manual setting].
- 3 Select the client and select [Permit] or [Reject].
Repeat this step to set other clients.
- 4 Select [Close].

To register a client manually

When the unit is unable to recognize a client automatically, you can register the client manually.

For details on the MAC address, refer to the operating manual of the client.

- 1 Enter the Settings menu and select [Server setting].
- 2 Select [Manual setting].
A list of connectable clients appears.
- 3 Select [Add device].
- 4 Select [MAC address], enter the address, and then press ENTER.
The MAC address should consist of 12 characters (0 to 9 and A to F).

To change a client's name

Select [Device name] and enter the new name.

- 5 Select [Add].
- 6 Select [Close].

Listening to the same track in different rooms

(PARTY MODE)

You can enjoy listening to the same music in different rooms through the use of PARTY MODE.

When the unit enters PARTY MODE as the “host”, all wireless players are automatically invited to enter PARTY MODE as “guests” (factory setting).

1 Turn on the unit and “guest” devices in each room.

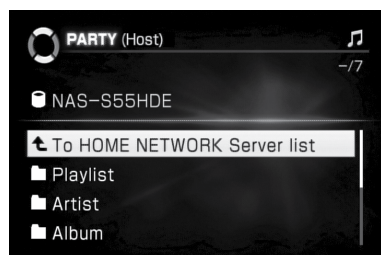
If you have the “GIGA JUKE” Wireless Player NAS-C5E, it turns on automatically when a “host” enters PARTY MODE.

2 Make sure that each device is connected to the network.

3 Press PARTY.

The HOME NETWORK function is turned on, “Preparing PARTY MODE play.” appears in the display, and the PARTY indicator flashes.

When the preparations are completed, the PARTY indicator lights up.



When another device is already in PARTY MODE as the “host”, the unit enters PARTY MODE as a “guest”. If a track is being played by the “host” at this time, the unit will not start playing from the middle of the track. The unit will start playing from the next track that the “host” plays.

4 Select and play a track.

All “guest” devices also start playing the same track. It will take about 10 seconds before the playback sound is output.

To end PARTY MODE (during “host” status only)

Press PARTY.

“Stop PARTY MODE play. OK?” appears in the display. Select [Yes].

To leave PARTY MODE (during “guest” status only)

Press PARTY.

“Leave PARTY MODE play. OK?” appears in the display. Select [Yes].

To enter PARTY MODE automatically as a “guest”

If another “host” device is in PARTY MODE, you can set the unit to enter PARTY MODE automatically as a “guest”.

Please note that if the unit is in the standard (power save) standby mode, the unit does not turn on automatically when it is invited to PARTY MODE.

1 Enter the Settings menu and select [System setting].

2 Select [Auto join PARTY MODE] – [On].

The unit automatically activates the HOME NETWORK function when the “host” device enters PARTY MODE. “Preparing PARTY MODE play.” appears in the display and the PARTY indicator flashes.

When the preparations are completed, the PARTY indicator lights up.

To cancel the automatic entering of PARTY MODE, select [Off].

Notes

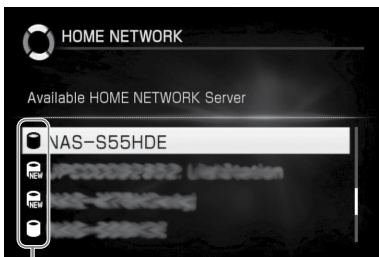
- If the unit is not connected to a network, the unit does not enter PARTY MODE.
- If the unit is in PARTY MODE as a “host”, PARTY MODE is cancelled when a different function is selected. If the unit is in PARTY MODE as a “guest”, the unit will leave PARTY MODE when a different function is selected, but the other devices will remain in PARTY MODE.
- If the recording timer becomes active while the unit is in PARTY MODE, a message will appear. If you want to cancel the recording timer, select [Cancel]. PARTY MODE continues. If you want to start the recording timer, select [Close]. In this case, PARTY MODE is cancelled (when the unit is a “host”) or the unit leaves PARTY MODE (when the unit is a “guest”).
- When the unit is in PARTY MODE, the Wake Up Timer function is cancelled.
- If you are operating the unit (recording, transferring, etc.) when the unit is invited to enter PARTY MODE, a message appears. Follow the directions indicated in the message.
- If the music file being played by the “host” device has a format that is not supported by the unit, the file cannot be played on the unit.
- PARTY MODE ends and the unit turns off after the time set for the Sleep Timer has elapsed.
- After you press the PARTY button, it will take about 10 seconds before the playback sound is output.

Using the unit as a client




The unit can play audio data stored in a DLNA-compatible digital media server.


Listening to music stored in a computer

- 1 Enter the Home menu and select [HOME NETWORK].
A list of the selectable servers appears.
If you have connected to a server, the unit automatically connects to the last connected server.



Icons

Icon	Description	Server status
 (white or black*1)	Connectable servers	Connectable
 (yellowish green)	The server last connected	Connectable
 NEW	New server	Connectable

Icon	Description	Server status
	Unknown server	Connectable, the details of the server cannot be found

*1 The color of icons will differ according to the selected display design (page 101). The color shown above is for the type 1 display design.

Note
If the server function of the unit is active, the unit also appears in the list.

- 2 Select a server from the list of selectable servers.
“Connecting to HOME NETWORK Server.” appears, followed by the main display.
- 3 Select the track you want to play.
Playback starts.



Note
While the server is being connected to the unit, make sure not to shut down the server or delete the audio file in the server.

Tip
If there are no selectable servers in the list, enter the Options menu and select [Display] – [Update info].

Other operations

To	Do the following:
Stop playback	Press ■.
Select a previous/next track	Press ◀◀/▶▶ during playback.
Select a track	Press ↑/↓/←/→.
Select a track number using the numeric buttons	Press the corresponding numeric button, and then press ENTER.
Switch the time information display	Enter the Options menu and select [Display] – [Time] – [Elapsed time] or [Remaining time].
Repeat playback of a track or tracks	Enter the Options menu and select [Setting] – [Play mode] – [Repeat] – [Off] (repeat play is off), [On] (the unit repeats all tracks), or [Track] (the unit repeats a track).

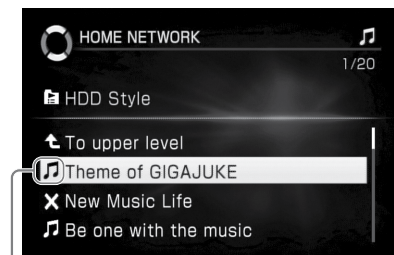
Notes

- You can select a track using the numeric buttons only when the main display or track list display is on the screen.
- You cannot switch the time information while the unit is stopped.
- The correct remaining time may not be displayed, depending on the connected server.

About audio data formats

The connected server may contain some audio data that cannot be played on the unit. These tracks can be identified by the icon that appears in the display.

List display

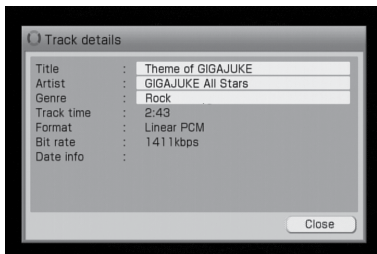


Icon

Icon	Meaning
🎵	Tracks that can be played.
?	Tracks that have not been analyzed.
✕	Tracks that cannot be played.

Viewing information on tracks

- 1 Select the track on which you want to check the information.
- 2 Enter the Options menu and select [Display] – [Track info].



To see an entire text string for a title, artist, or genre, press ↑/↓ to select the respective box and press ENTER. Press ↑/↓ to scroll the display.

Using the Sleep Timer

You can set the Sleep Timer to turn off the unit after a certain period of time in 30-minute units. This function is convenient when you want to fall asleep to music or when going out.

Press SLEEP.

The pop-up menu for the Sleep Timer appears. Each time you press the button, the duration display changes cyclically as follows:

Off → 30 → 60 → 90 → 120 → 150 → 180 → Off...

The Sleep Timer setting is completed simply by displaying the desired duration. The TIMER indicator lights up when the Sleep Timer is active.

Notes

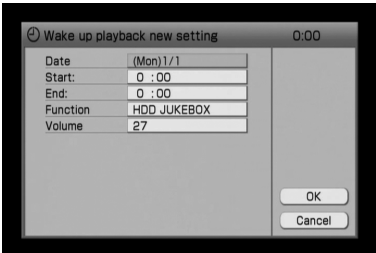
- The Sleep Timer setting is cancelled when another timer function is active.
- If a Recording Timer setting has been made, then the Sleep Timer setting cannot overlap with the starting time of the Recording Timer setting.

Using the Wake Up Timer

You can set the timer to automatically turn the unit on and off at a specified time everyday. The unit starts playing automatically when it turns on. Make sure the clock is correctly set beforehand (page 26 or 86). A maximum of three settings can be made for the Wake Up Timer.

1 Press TIMER.
The settings list appears.

2 Enter the Options menu and select [New setting] – [Wake up playback].



3 Set each item.
In the pull-down menu, select and set each item (shown in the “Settings for the Wake Up Timer” below).

4 Select [OK].
The setting is registered and appears in the timer list.

5 Press TIMER or BACK.
The setting is set and the TIMER indicator lights up.
When the set time arrives, playback or radio reception starts.
If the unit is in the HDD JUKEBOX function, the last played track starts to play.
If the unit is in the CD function, the first track in the loaded CD starts to play.
If the unit is in the x-DJ function, the channel set to be selected when the function is activated starts to play (page 49).

Notes

- A Wake Up Timer setting cannot be set if it overlaps with an existing setting.
- Certain functions will not perform during the minute and half before a Wake Up Timer setting is set to go off.
- The activation of the Wake Up Timer may be delayed by certain operations if they are performed shortly before the Wake Up Timer is set to start.

Settings for the Wake Up Timer

Item	Contents
Date	A day (month/day) within the next 4 weeks, including the current day
	Every Sat – Every Sun (certain days, for example, every Saturdays, Mondays, etc.)
	Mon – Fri (from Monday to Friday)
	Mon – Sat (from Monday to Saturday)
	Everyday
Start:	Hour/Minute
End:	Hour/Minute
Function	CD
	DAB*1
	◆ HDD JUKEBOX
	x-DJ
	FM/AM
Volume	Min. (0) to Max. (51)

(◆: Factory setting)

*1 For the UK model only

To continue playback after the Wake Up Timer’s end time

You can cancel the Wake Up Timer setting while the timer is operating. When you do this, the end time is cancelled and playback continues.
To cancel the setting, enter the Options menu while the Wake Up Timer operation is in progress and select [Timer cancel].

Using the Recording Timer

You can set the timer to record a radio program or playback from an external component that is connected to the AUDIO IN jack on the unit. To use this function, the clock must be correctly set beforehand (page 26 or 86). You can make a maximum of 10 recording settings.

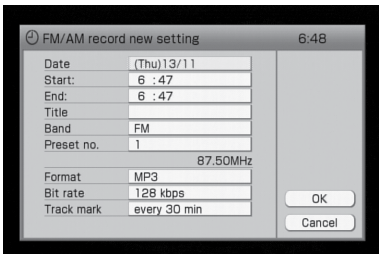
Note

The server function stops while the Recording Timer is in progress.

Recording a radio program or DAB service* using the Recording Timer

You can record a radio broadcast or DAB service* at a specified time. To do this, the clock and the radio station must be set in advance.

- 1 Press **TIMER**.
The timer list appears.
- 2 Enter the Options menu and select [New setting] – [FM/AM record] or [DAB record].



- 3 Set each item.
In the pull-down menu, select and set each item (shown in the “Settings for the Recording Timer” on page 98).
- 4 Select [OK].
The setting is registered and appears in the timer list.
- 5 Press **TIMER** or **BACK**.
The setting is set and the **TIMER** indicator lights up.

To stop a timer recording

Press **■**.

To continue recording after the Recording Timer's end time

You can cancel the Recording Timer setting while the timer is operating. When you do this, the end time is cancelled and recording continues. To cancel the setting, enter the Options menu while the Recording Timer operation is in progress and select [Timer cancel].

Notes

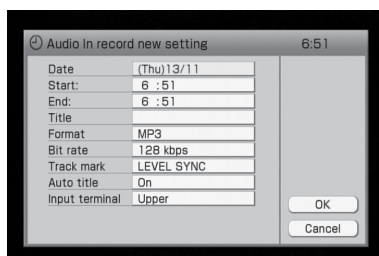
- After making the Recording Timer setting, you cannot set another one that overlaps with the time set for the previous one. You can do this, however, by suspending the previous setting (page 100).
- You cannot set an end time for the Recording Timer that is close to the current time.
- Certain functions will not perform during the minute and half before a Recording Timer setting is set to go off.
- The activation of the Recording Timer may be delayed by certain operations if they are performed shortly before the Recording Timer is set to start.
- If you do not add a title to a recording, the details of the recording (i.e., the recording date and time) are automatically used as the title.

* For the UK model only

- To listen to the sound while recording, press the **MUTING** button or **VOLUME +** button so that the sound is not muted.
- If you want to record a DAB service using Recording Timer, you should preset the service you want to record in advance. If not, you will not be able to make the setting.

Recording from an external component using the Recording Timer

- 1 Press **TIMER**.
- 2 Enter the Options menu and select [New setting] – [Audio In record].



- 3 Set each item.
- 4 Select **[OK]**.
- 5 Press **TIMER** or **BACK**.

To stop a timer recording

Press **■**.

To continue recording after the Recording Timer's end time

You can cancel the Recording Timer setting while the timer is operating. When you do this, the end time is cancelled and recording continues.

To cancel the setting, enter the Options menu while the Recording Timer operation is in progress and select [Timer cancel].

Settings for the Recording Timer

Item	Contents
Date	A day (month/day) within the next 4 weeks, including the current day
	Every Sat – Every Sun (certain days, for example, every Saturdays, Mondays, etc.)
	Mon – Fri (from Monday to Friday)
	Mon – Sat (from Monday to Saturday)
	Everyday
Start:	Hour/Minute
End:	Hour/Minute
Title	Setting name
Band* ¹	◆ FM/AM
Preset no.	Preset number
Format/Bit rate* ²	Linear PCM —
	◆ MP3 96 kbps
	◆ 128 kbps
	160 kbps
	192 kbps
	256 kbps
Track mark (track marking interval)	every 10 min
	every 30 min
	every 60 min
	every 120 min
	LEVEL SYNC* ³
	Auto* ⁴
Auto title* ⁵	◆ On/Off
Input terminal* ⁶	◆ Upper/Rear

(◆: Factory setting)

*¹ When the unit is set to the FM/AM function only.

*² For details on the “Format/Bit rate” setting, see page 29.

*³ For details on the “LEVEL SYNC” setting, see page 30. Refer also to the explanation of the “LEVEL SYNC level” setting.

*⁴ When the unit is set to the FM/AM function or the DAB function only. For details on the “Auto” setting, see page 30.

*⁵ When “Auto title” is set to “On” (page 31), the current title will be overwritten (when the unit is set to AUDIO IN function only).

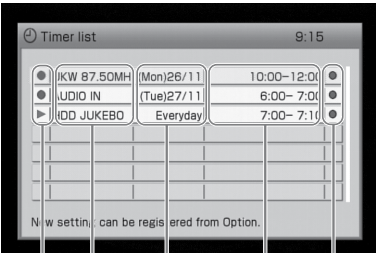
*⁶ When the unit is set to the AUDIO IN function only.

Checking the contents of a timer setting







Press **TIMER**.

The timer list display appears.

Press **TIMER** again to make the display disappear.



1 2 3 4 5

1		Recording Timer icon
		Wake Up Timer icon
2	Title	Setting name
3	Date	Setting date
4	Time	Start time and stop time of the Recording Timer.
5	 (blue)	The Recording Timer is in standby mode.
	 (red)	The Recording Timer is active.
	 (gray)	The Recording Timer is suspended.
		Failed recording This icon appears when the Recording Timer has failed due to a power failure or other accident. This icon does not appear when the timer is set for regular intervals, such as everyday or every week. In this case, the setting remains even if a recording failure has occurred. The results of the failed recording, however, should be deleted (this page).

To delete a timer setting

- 1 Press **TIMER**.
The timer list display appears.
- 2 Select the setting you want to delete.
- 3 Press **DELETE**, or enter the Options menu and select [Delete].
A confirmation window appears.
- 4 Select [Yes].
The selected setting is deleted from the list.
If you select [No], the operation is cancelled.
- 5 Press **TIMER** or **BACK**.

To change a timer setting

- 1 Press **TIMER**.
- 2 Select the setting you want to change.
The change setting display appears.
- 3 Select the item you want to change.
- 4 Change the item.
- 5 Select [OK].
The new information overwrites the old one and is displayed in the timer list.
- 6 Press **TIMER** or **BACK**.

Tip

You can perform the same operation using the Options menu.

To temporarily suspend a timer setting for regular-interval recording

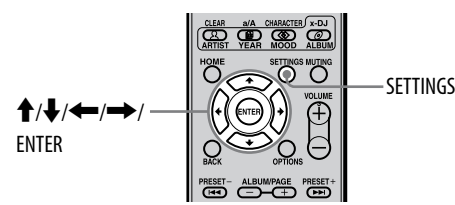
— Suspend

By suspending a timer setting, another setting can be set for the same time period.

- 1** Press **TIMER**.
- 2** Select the setting you want to suspend.
The re-setting display appears.
- 3** Set [Programming] to [Suspend] from the pull-down menu.
- 4** Select [OK].
The selected setting is suspended and its icon becomes gray.
- 5** Press **TIMER** or **BACK**.

Changing the unit's settings

Setting the display



To change the display size on the unit

You can select two display sizes.

- 1 Enter the Settings menu and select [System setting].
The setting display appears.
- 2 Select [Unit display].
- 3 Select [Wide zoom (16:9)] or [Normal (4:3)].
- 4 Select [Close].

Note

Changing the screen size on the unit does not affect the image output from the MONITOR OUT jack.

To set the screen saver

As in the case of a personal computer, you can set a screen saver that will appear when no operation is done for a while.

- 1 Enter the Settings menu and select [System setting].
The setting display appears.
- 2 Select [Screen saver].
- 3 Select [On].

On	If no operation is done for 15 minutes, the screen saver activates.
◆ Off	The screen saver does not activate.

(◆: Factory setting)

- 4 Select [Close].

To change the display design

You can select the display design on the unit.

- 1 Enter the Settings menu and select [Screen setting].
- 2 Select [Select design].
- 3 Select [Type 1] or [Type 2].
- 4 Select [Execute].
The display changes to the design you selected.

Setting the standby mode

- 1 Enter the Settings menu and select [System setting].
- 2 Select [Standby mode].
- 3 Select [Quick start-up] or [Standard (power save)].

◆ Quick start-up (On/Standby indicator: orange)	The unit responds quickly to operations that you make after the power is turned on. This setting results in high power consumption. The server function can be used in this mode.
Standard (power save) (On/Standby indicator: red)	The unit responds slowly to operations that you make after the power is turned on. This setting saves on power consumption. The server function cannot be used in this mode.

(◆: Factory setting)

- 4 Select [Close].

Tips

- If you press the I/⏻ (power) button while the unit is analyzing audio data, the On/Standby indicator lights up orange.
- When the standby mode is set to “Quick start-up”, the internal fan sometimes turns on automatically even when the power is turned off. This is not a malfunction.

To enable the automatic demonstration

When you turn on the unit for the first time after purchase, a demonstration video begins playing automatically. If you disconnect the power cord, and then turn on the unit again, the demonstration video will play again (as the automatic demonstration setting is set to [On]). If you do not want to view the demonstration video, do the following procedure to change the setting.

- 1 Enter the Settings menu and select [System setting].
- 2 Select [Auto demonstration].
- 3 Select [On] or [Off].
- 4 Select [Close].

Setting a shared folder on a computer

By setting up a shared folder on your computer, you can import audio data or image data stored on your computer to the HDD Jukebox in the unit, or back up audio data in the HDD Jukebox to your computer. For details on how to set up a shared folder, refer to the Windows operating manual or Windows Help.

Note

To use this function, your computer must be factory installed with one of the following Windows versions.

- Microsoft Windows 2000 Professional
- Microsoft Windows XP Home Edition
- Microsoft Windows XP Professional
- Microsoft Windows Vista Home Basic
- Microsoft Windows Vista Home Premium
- Microsoft Windows Vista Ultimate
- Microsoft Windows Vista Business

Windows XP Home Edition is used in the examples below. For details, refer to the operating instructions or help of your Windows computer.

- 1 On the computer, right-click the desired folder and select [Sharing and Security].
- 2 Click [Share this folder on the Network] and [Allow network users to change my files] to add check marks.
- 3 Click [OK] to close the Properties window.

Note

Make sure not to use symbols or umlaut characters to specify the name of the shared folder on the network.

You will need the computer name and the IP address in order to use a shared folder.

To confirm the computer name

(When using Windows XP Home Edition)

Go to the Start menu and select [Control Panel]

– [System], open the Properties window, and then click the [Computer Name] tab to see the computer name in [Full computer name].

(When using Windows Vista Home Premium)

Go to the Start menu and select [Control Panel] –

[System] so that the computer name and full computer name appear.

To confirm the IP address

(When using Windows XP Home Edition)

Go to the Start menu and select [Control Panel]

– [Network connection], select the network you are using, and then click the [Support] tab to see the IP address.

(When using Windows Vista Home Premium)

Go to the Start menu and select [Control Panel]

– [Network and Sharing Center]. Click [View status] for the [Connection] setting, and then click [Details] to see the IP address.

Managing the system

Backing up and restoring audio data

You can back up the audio data in the unit's HDD Jukebox to a shared folder on your computer or to a USB hard disk. Backup data can be used to restore the data to the unit's HDD Jukebox. If the data in the HDD Jukebox has been previously backed up, the next time a back up operation is performed, you can perform incremental back up to save only the contents that have been added since the last back up, thereby shortening the time required for the operation. Note that the backed up audio data must be validated at the time it is used to restore data to the unit's HDD Jukebox. To validate audio data, confirmation must be received via the Internet to guard against the illegal copying of audio data. After a certain amount of audio data has accumulated in the HDD Jukebox, it is recommended that a backup be made as insurance against unexpected accidents.

Note

To restore backed up data, the unit must be connected to the Internet.

Required hard disk format and size for backing up

To back up audio data to a USB hard disk, the hard disk must use the FAT32 file system. The size of the hard disk should be larger than the audio data that will be backed up. Refer to page 124 for the size of the unit's HDD. To check how much space remains on the HDD, view the information in [System info] in the Options menu.

Notes

- Backing up may take a long time (up to 60 to 80 of hours) depending on the amount of data, the USB hard disk, the computer, and the network status.
- Backed-up audio data cannot be copied to or used on devices (such as a computer) other than this unit.
- If FAT32 formatting has been done on the USB hard disk by another device such as a computer, the audio data will be backed up in the first partition of the USB hard disk. Backing up of audio data will not be possible if sufficient space is not available in the first partition. If you need more space, repartition the hard disk on a computer, etc. to provide enough space for backing up.
- If the USB hard disk is not formatted, perform FAT32 formatting of the first partition on this unit (page 107) before proceeding with the backing up operation.
- Backing up of only new material may not be carried out correctly if the clock is not set correctly.

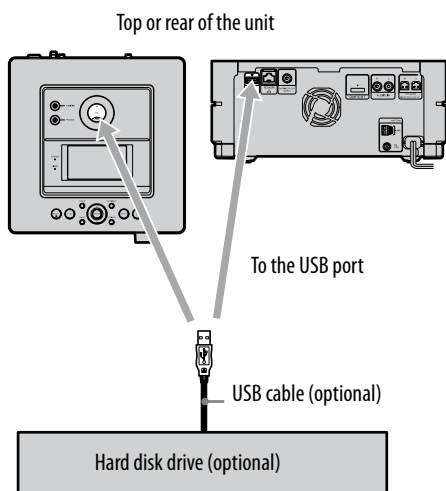
To back up data to the USB hard disk

You can back up data from the HDD of the unit to a USB hard disk (optional).

- 1 Use a USB cable to connect the hard disk to the USB port of the unit.

Notes

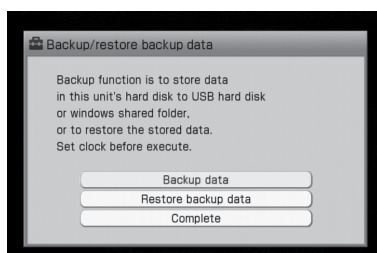
- If two USB hard disk devices are connected to both USB ports (top and rear) at the same time, the device connected to the top port takes priority.
- If you want to use the USB hard disk that is connected to the USB port on the rear of the unit, disconnect the USB device that is connected to the top port.



- The shape of the USB connector will differ according to the USB hard disk being used.
- Refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only) for supported USB hard disks. If a USB hard disk that is not supported is connected to this unit, it may cause the unit to malfunction.

2 Enter the Settings menu and select [Backup].

The back up setting display appears.



3 Select [Backup data].

The destination drive selection display appears.

4 Select [USB hard disk].

A confirmation window for the selected drive appears.

5 Confirm the displayed item and select [Yes].

Backing up starts.

When the back up ends, "Backup completed normally." appears in the display.

When back up data already exists on the drive

- 1 Select [Full backup] or [Incremental backup] in step 5 of "To back up data to the USB hard disk" on page 104.

Full backup	The stored audio data overwrites the existing data.
Incremental backup	Only audio data different from the existing data is stored.
Back	The backing up operation is cancelled and the unit returns to the previously displayed screen.

2 Select [Yes].

Backing up starts.

When the back up ends, "Backup completed normally." appears in the display.

To cancel the back up operation

- 1 Select [Cancel] while backing up is in progress.

A confirmation window appears.

- 2 Select [Cancel processing].

To back up data to a shared folder on the computer

You can back up data on the HDD of the unit to a shared folder on your computer.

- 1 Set up the shared folder (page 103).

- 2 Enter the Settings menu and select [Backup].

The back up setting display appears.

- 3 Select [Backup data].

The destination drive selection display appears.

- 4 Select [Online Windows shared folder].

- 5 Set each item by performing steps ① to ③ described below.

- ① Select one of the following items.

PC name	The computer name or IP address (up to 15 letters/numbers)
Share name	The name that was entered when the folder was set to be shared (page 103)
User name	The name that was used to access the computer when the folder was set to be shared
Password	This is needed only if a password was set for the shared folder.

- ② Enter the information for the item selected in step ①.
Only alphanumeric characters can be entered.

- ③ Select [Confirm].

- 6 If back up data already exists, go to step 7.
If back up data does not exist, go to step 8.

- 7 Select [Full backup] or [Incremental backup].

Full backup	The stored audio data overwrites the existing data.
Incremental backup	Only audio data different from the existing data is stored.
Back	The back up operation is cancelled and the unit returns to the previously displayed screen.

- 8 Select [Yes].
Backing up starts.
When the back up is completed, "Backup completed normally." appears in the display.

To cancel the back up operation

- 1 Select [Cancel] while backing up is in progress.
A confirmation window appears.
- 2 Select [Cancel processing].

Notes

- When you cancel a back up operation, the data that has been backed up on the external device remains incomplete and cannot be used to restore data to the HDD. In this case, perform the full back up operation until it is completed.
- A USB hub cannot be used between the unit and an external device.
- Sony cannot guarantee trouble-free operations when using a USB extension cable to back up data.
- Make sure not to disconnect the USB cable or the network cable, or turn off the unit while a back up operation is in progress. Doing so may cause the unit to malfunction.
- Make sure to specify the name of the shared folder on the network using alphanumeric characters.

Restoring backed up data

To restore backup data from a USB hard disk

You can restore the back up data in the external USB hard disk to the HDD of the unit.

- 1 Select [Restore backup data] – [USB hard disk] in the back up setting display.
A confirmation window for the restoration appears.
- 2 Confirm the displayed item and keep selecting [Yes] after that.
The unit connects to the Internet and the audio data is confirmed. After the confirmation is completed, the unit starts restoring the audio data to the HDD.
When the restoration is finished, "Restored backup data normally." appears.
If you select [Cancel] while a restoration is in progress, the restoration operation is cancelled.

To restore backup data from a computer

You can restore the back up data in a shared folder on the computer to the HDD of the unit.

- 1 Select [Restore backup data] – [Online Windows shared folder] in the back up setting display.
- 2 Set up the PC shared folder and select [Confirm].
- 3 Confirm the displayed item and keep selecting [Yes] after that.
The unit connects to the Internet and the audio data is confirmed. After the confirmation is completed, the unit starts restoring the audio data to the HDD. When the restoration is finished, “Restored backup data normally.” appears.
If you select [Cancel] while a restoration is in progress, the restoration operation is cancelled.

To format a USB hard disk

- 1 Enter the Settings menu and select [Backup].
The back up setting display appears.
- 2 Enter the Options menu and select [Format USB-HDD].
A confirmation window appears.
- 3 Confirm the displayed item and keep selecting [Yes] after that.
The unit starts formatting the USB hard disk drive. When the unit finishes formatting, “Formatted USB hard disk normally.” appears.
- 4 Select [Complete].
The back up setting display reappears.

Notes

- When you cancel a restoration operation, the audio data restored to the HDD of the unit remains incomplete and may cause the unit to malfunction. To avoid this, perform the restoration operation again until it is completed.
- A formatting operation cannot be cancelled once it has begun.
- A USB hub cannot be used between the unit and an external device.
- Sony cannot guarantee trouble-free operations when using a USB extension cable to restore backed up data.
- Make sure not to disconnect the USB cable or the network cable, or turn off the unit while a restoration operation is in progress. Doing so may cause the unit to malfunction.
- Make sure to specify the name of the shared folder on the network using alphanumeric characters.

Checking system information

You can view information regarding the system, such as the remaining space on the HDD, the version number of the application and the version of the system’s microcomputer.

Enter the Settings menu and select [System info].

Tip

The remaining space on the HDD is the actual space available for storing audio data. At full capacity, it is about 68 GB.

Updating the system application

By downloading the latest version of the system application, you can take advantage of the newest functions.

When a new update is available, you will be notified by a message that appears in the display while the unit is on and connected to the Internet.

Note

Make sure not to turn off the unit or disconnect the network cable while the updating operation is in progress.

1 Enter the Settings menu and select [Software update].

The system application update display appears.

2 Follow the displayed instructions.

The updating starts. It may take about an hour for the unit to finish updating. After the unit finishes updating the application, it will take about 30 to 40 minutes before the unit restarts.

Formatting the system

This function formats the unit and restores it to the condition it was in at the time of purchase. Note that this process deletes all settings and information (e.g., audio data recorded or imported in the HDD Jukebox, clock setting and network setting). However, system updates performed by [Software update] are not deleted.

1 Enter the Settings menu and select [System format].

A confirmation display appears.

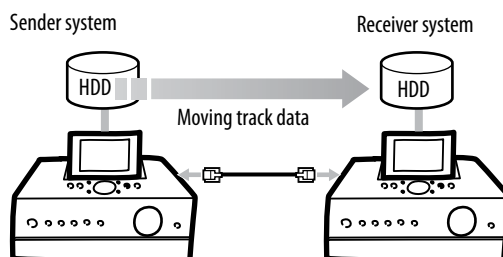
2 Select [Yes].

Formatting starts.

The unit automatically restarts several times during the operation. A few minutes after the last restart, the unit turns itself off.

Moving track data between the unit and other components

You can move track data in the unit's HDD Jukebox to other GIGA JUKE systems, or vice versa. When you move the track data to another GIGA JUKE system, the track data will be deleted from the HDD Jukebox in the sender system.



Please read the following

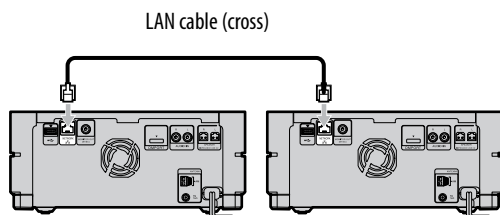
It may take a while to move track data between systems. For example, it takes about 20 hours to move 5,000 tracks

You can stop moving of track data, then resume moving from the point at which it was stopped. Even after a transfer has been stopped, normal operation will be possible on both systems (the sender and the receiver).

Notes

- When track data has been moved, the track data is deleted from the sender system.
- If you stop a transfer of track data, the track data that has not been moved remains in the sender system.
- Make sure not to turn off or reset the units (the sender and the receiver) while a data moving is in progress.
- Moving track data is not possible when the receiver system is an older model than that of the sender system. Track data can only be moved from an older model to a newer model, or between the same models.
- The following items cannot be moved.
 - Playlists of the HDD Jukebox
 - Settings (e.g., network settings, timer settings.)
- Tracks that have been manually moved between the x-DJ channels in the sender system will be automatically returned to their original x-DJ channels in the receiver system.

- 1 Connect the sender system to the receiver system with an optional LAN cable (cross cable).



Note

Although an ordinary LAN cable (straight cable) is used to connect the unit to the network, this type cannot be used for this operation. Be careful to distinguish between the two types of cables (straight cable and cross cable) since both are similar in appearance.

- 2 In the sender system, enter the Settings menu and select [Move track data].
- 3 Read the contents in [Read me], and then select [Next].
- 4 Select the direction for the track data from the [Moving direction] pull-down menu, and then select [Check].
- 5 Repeat steps 2 to 4 in the receiver system.

If all of the data cannot be moved for some reason (for example, because of insufficient HDD space or limits on the number of folders in the receiver system), a message will appear. To cancel moving, select [Close], and then select [Stop] in step 6. The unit automatically restarts after cancelling.

- 6 When the data moving display appears, select [Start].



- 7 Select [Yes].

The moving starts.

When the moving has completed, the unit automatically restarts, and then turns off.

Troubleshooting

If a problem occurs while operating the unit, follow the steps described below before consulting the nearest Sony dealer. If an error message appears, it is recommended that you make a note of its contents for reference.

1 Check to see if the problem is listed in this "Troubleshooting" section.

For details about troubleshooting the Instant (S-IWS) connection, refer to the "Quick Connection and Setup Guide" supplied with the NAS-SC55PKE.

2 Check the customer support site of Sony Europe at <http://support.sony-europe.com/> (for customers in Europe only).

You will find the latest support information and a FAQ at this web site.

3 If after steps 1 and 2 you still cannot solve the problem, consult your nearest Sony dealer.

If the problem persists after doing all of the above, consult your nearest Sony dealer.

How to reset the unit

It is usually unnecessary to reset this unit.

However, on rare occasions, the unit enters an abnormal state and stops responding to button or on-screen operations. In this case, reset the unit by pressing the ■ button together with the I/⏻ (power) button on the unit.

Power

The unit does not turn on.

- ➔ Connect the power cord to the wall outlet firmly.
- ➔ Disconnect the power cord from the wall outlet. After about a minute, reconnect the power cord and press the I/⏻ (power) button to turn on the unit.

The messages "Starting up", "Please wait.", "Turning-off after setting is applied." appear in the display and the unit automatically turns off.

- ➔ This is not a problem. After the power cord is connected, the unit automatically makes the initial settings and enters standby mode. The unit turns on when you press the I/⏻ (power) button.
-

It takes a while for the unit to turn off while the messages "Starting up", "Please wait.", "Turning-off after setting is applied." are displayed.

- ➔ If the unit's HDD has a large amount of recorded data, it will take a while before the unit turns off.
-

It takes a while for the unit to turn on as the messages "Starting up" and "Please wait." are displayed.

- ➔ If you use the unit in an environment without a broadband router, it takes about 30 seconds for the unit to obtain an IP address and then to turn on.
- ➔ The IP address set for the unit is already being used by another device. Set a different IP address.

The unit does not turn off.

- ➔ The I/⏻ (power) button may not respond while the unit is making the initial settings or is still starting up.
- ➔ The On/Standby indicator lights up orange and the illumination panel flashes slowly while the unit is analyzing the recorded materials. If you want to cancel the analysis and turn off the unit, press the ■ button.
- ➔ As long as the unit is active as a server and the client device is playing audio data, the server function remains active and the power stays on even if you press the I/⏻ button to turn the unit off (the display turns off and the illumination panel slowly flashes). Press ■ to cancel the server function and turn off the unit.
- ➔ If you disconnect the power cord from the wall outlet while the On/Standby indicator is lit up red, the indicator may remain lit for a little while longer.

There is noise from the unit or the unit remains warm after the power is turned off.

- ➔ When standby mode is set to “Quick start-up”, some parts of the internal system remain active and the internal fan sometime activates.

Display

The display on the screen is distorted.

- ➔ The unit is being subjected to shocks or vibrations. Place the unit at a stable location.
- ➔ On rare occasions, characteristics of the HDD may cause some distortion in the display; this, however, is not a malfunction.

Sound output

There is no sound.

- ➔ Press the VOLUME +/- buttons or the MUTING button to cancel muting. Sound monitoring cannot be done while Recording Timer is in progress.
- ➔ Cancel pause.
- ➔ Confirm that nothing is connected to the PHONES (headphones) jack.
- ➔ Check the connections of the external component.
- ➔ Connect the speaker cords firmly.

The right-left sound balance is bad or reversed.

- ➔ Connect the speakers and other devices correctly.

The sound has no depth and seems to be monaural.

- ➔ Connect the speakers and other devices correctly.

There is severe humming or noise in the sound.

- ➔ Connect the speakers and other devices correctly.
- ➔ Move the audio connecting cord away from any display, fluorescent light, or other electrical devices.
- ➔ Move the unit away from any display or TV.
- ➔ If plugs or jacks are dirty, wipe them with a cloth slightly moistened with alcohol.
- ➔ The inserted disc is scratched or dirty.

HDD Jukebox

The unit cannot record a CD.

- ➔ The disc is not compatible with any of the supported audio CD standards.
- ➔ The disc may be scratched or dirty.
- ➔ MP3 CDs cannot be recorded.

The unit cannot import files.

- ➔ You can import a maximum of 10,000 tracks at a time. Reduce the number of files to 10,000 or less by deleting some files (when importing from a USB storage device) or dividing files into several folders (when importing from a PC shared folder).
- ➔ You cannot import tracks that are copyright protected.
- ➔ You can import only tracks with the “.mp3”, “.oma”, “.wma”, or “.wav” extension.

The unit cannot connect to an externally connected portable device.

- ➔ If portable devices are connected to the top and front jacks on the unit, disconnect one of them.
- ➔ Reconnect the USB cable.

While transferring audio data to the USB storage device, the entire name of a folder cannot be transferred.

- ➔ For a USB storage device, the maximum size for a folder name is 78 bytes (78 alphanumeric characters).

Some tracks are not displayed.

- ➔ For some list type, all tracks are not displayed.

The unit cannot play MP3 audio files.

- ➔ The MP3 audio files are recorded in a format that is not supported.

The unit cannot sort items in the list of albums, artists, etc.

- ➔ The sort function does not work for the folder mode or playlist mode.

The unit cannot perform editing operations.

- ➔ Some editing operations cannot be performed for certain functions.

An editing operation takes a long time.

- ➔ The time it takes for an editing operation depends on the number of albums or tracks that are stored in the HDD Jukebox.
- ➔ Editing operations may take a long time for Linear PCM-format tracks.

The name cannot be changed.

- ➔ It may not be possible to change track names in a list display for certain listing modes or directories (page 43).

Title information cannot be obtained.

- ➔ The unit is not connected to the Internet.
- ➔ The database of the Gracenote® Music Recognition Service does not contain any information that corresponds with the disc (pages 51 and 84).
- ➔ It may not be possible to obtain title information for tracks that have been poorly recorded; for example, tracks that are not recorded from their beginning.
- ➔ Information cannot be obtained for tracks with a length of 15 seconds or less.

Tracks cannot be combined.

- ➔ The selected tracks are MP3- or WMA-format tracks.
- ➔ You cannot combine tracks if the combined playing time of both tracks exceeds 120 minutes.
- ➔ The format of the tracks are different (e.g., one is a Linear PCM-format track and the other a ATRAC-format track).
- ➔ The tracks have different bit rates (e.g., one has a bit rate of 105 kbps and the other 132 kbps).

After repeated editing (dividing and combining) of the track(s), the tracks cannot be combined.

- ➔ This occurs due to the technical limitation of the HDD system. It is not a malfunction.

When recording from the radio or DAB, music and talk contents cannot be distinguished automatically.

- ➔ Check whether the “Track mark” setting for the recording is set to “Auto” (page 30).

A track cannot be divided.

- ➔ The selected tracks are MP3- or WMA-format tracks.
- ➔ You tried to divide a track at its beginning or end.
- ➔ A track cannot be divided if after the division the total number of tracks on the HDD Jukebox exceeds 40,000 tracks.
- ➔ The selected listing mode is other than folder mode.

The unit cannot connect to a shared folder on a computer.

- ➔ Enter the computer name, the shared folder name, and the user name correctly.
- ➔ Deactivate the security function of the Windows OS or anti-virus software. Reactivate the security function after using the shared folder.

The unit cannot import tracks saved with the SonicStage software.

- ➔ The unit cannot import tracks that are copyright protected. Release the copyright protection with the format conversion function in the SonicStage software. For details, refer to the SonicStage Help. Please note that copyright-protected tracks downloaded from the Internet cannot be imported.

x-DJ

The desired channel does not appear in the display.

- ➔ When five tracks have been assembled into a channel, the channel is displayed.

A track is not in the channel that you expected.

- ➔ Since tracks are categorized by 12 Tone Analysis technology, a particular track may be placed into a channel that you may not expect it to be. You cannot erase these tracks, but you can hide them so that they are invisible (page 50) or you can move them to other channels (page 49).

There are no tracks in a channel.

- ➔ Some channels are set to be displayed even if there are no matching tracks (page 46).
- ➔ Tracks are placed into the Radio Music/Talk channel only when the “Track mark” setting for the recording is set to “Auto”.

YEAR channel does not work correctly.

- ➔ Only tracks with information on its release year will be assembled into the YEAR channel.
- ➔ The year indicated for a track assembled in the YEAR channel may not necessarily be the year of its first release. This is because the information used corresponds with the CD on which the track or album is contained.

CD

Playback does not start.

- ➔ Confirm that a disc is inserted.
- ➔ Insert the disc with the label side up (page 51).
- ➔ If the disc does not lay flat in the tray, reset it so that it is correctly inserted.
- ➔ The inserted disc is of a kind not supported by the unit (page 123).
- ➔ There is condensation in the disc tray. Remove the disc, turn off the unit for about 30 minutes, and then insert the disc again (page 121).

Playback cannot be performed. The sound skips.

- ➔ The disc does not conform to the CD standard.
- ➔ The inserted disc is scratched or dirty.

Some tracks cannot be played.

- ➔ If you are using a multisession disc with an audio CD format, only tracks recorded in the first session can be played.

MP3 files cannot be played.

- ➔ MP3 files that do not conform with the ISO 9660 Level 1, 2, or Joliet standard are recorded on the disc.
- ➔ Files without the MP3 extension cannot be played. If a file on a disc is not an MP3 file but has an .MP3 extension, the unit tries to play that file and it may cause noise in the sound or the unit to malfunction.
- ➔ The files have the MP3 extension, but they are in a format other than MPEG-1 Audio Layer 3.

Artist names cannot be displayed.

- ➔ Artist names are not displayed on the main display for MP3 CDs. You can check the artist name in the track (ID3) detailed information display (page 53).

Title information cannot be obtained.

- ➔ The unit is not connected to the Internet.
- ➔ A disc is not inserted.
- ➔ The unit is in MP3 mode.
- ➔ The database of the Gracenote® Music Recognition Service does not contain any information that corresponds with the disc (pages 51 and 84).

FM/AM and DAB*

Radio broadcasts cannot be received.

- ➔ Connect the antennas correctly (pages 20 and 21).
- ➔ Adjust the antenna position.
- ➔ Use an external antenna.

RDS is not working.

- ➔ Make sure that you tune in an FM station.

DAB broadcast cannot be received.*

- ➔ Check all aerial connections, then perform the DAB Initial Scan procedure (page 54).
- ➔ The current DAB service is not available. Press TUNING +/- to select a different service.
- ➔ If you have moved to another area, some services/frequencies may have changed and you may not be able to tune into your usual broadcast. Perform the DAB Initial Scan procedure to re-register the contents of broadcast (page 54). (Performing this procedure clears all previously stored presets.)

Internet

The unit cannot connect to the Internet.

- ➔ The network setting may be incorrect. Consult your Internet service provider.
- ➔ Confirm the network status. Enter the Settings menu and select [Network setting] – [Manual setting] – [Wireless LAN setting]/[Wired LAN setting] – [Check network status].
- ➔ Make sure the broadband router setting is correct. For details on the broadband router setting, refer to the operating manual of the router and the materials provided by the Internet service provider.

- ➔ Make sure the network cables are firmly connected.
- ➔ Make sure the correct network cables are being used for connections (pages 74, 75 and 79).
- ➔ The unit is connected directly to a modem without a built-in router. Make the connection through a broadband router.
- ➔ If your contract with your Internet service provider limits Internet connection to one device at a time, the unit will not be able to access the Internet when another device is already connected. Consult your Internet service provider.
- ➔ When the unit is connected through a wireless network, electromagnetic radiation may sometimes prevent it from connecting to the Internet.

The unit cannot connect to ADSL.

- ➔ You may have mixed up the DSL port and TEL (telephone) port on the splitter while connecting cables.
- ➔ Check to see whether the lights on an ADSL modem and a broadband router are correctly lit up. Refer to the operating manuals of the equipments.

The unit cannot access the Internet through a wireless network.

- ➔ Make sure the wireless adaptor is compatible. For information on compatible models, refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> (for customers in Europe only).
- ➔ Wireless networks are influenced by electromagnetic radiation emitted by microwave ovens and other devices. If the unit is near such a device, connect a USB extension cable to the wireless adaptor and move it to a location with better reception.

* For the UK model only

The unit cannot find an access point.

- ➔ Use a USB extension cable to move the wireless adaptor to a location with better reception.

Home Network

When the unit is used as a client

You cannot connect to the server (an error message appears).

- ➔ Make sure the network cable is connected.
- ➔ If a hub or a router with a built-in hub is being used, make sure that it is turned on.
- ➔ Make sure the server is turned on.
- ➔ Make sure that the IP address of this unit is correctly obtained.
- ➔ If [DHCP] is set to [All auto] and the IP address is obtained correctly, the IP address will appear in the display (page 82). If the IP address does not appear, check the following items.
 - Make sure the hub or broadband router is turned on. (Refer to the operating manuals supplied with the equipments being used.)
 - Make sure the broadband router is turned on before you turn on the unit.
 - Make sure network cables are being used to connect the unit, hub, or broadband router (pages 74, 75 and 79).
 - Make sure that the method of obtaining the IP address is correct for your network environment (page 81).
- ➔ Check that the initial settings for the server have been correctly made.
- ➔ If the ICF (Internet Connection Firewall) function is active in the server, this may prevent the unit from connecting to the server. In this case, deactivate the ICF function.

- ➔ Make sure the registration of the unit has been correctly made on the server side. Even if you erase the registration of the unit from the server, the server may appear in the selectable server list of this unit.
- ➔ Register the unit in the server again.
- ➔ If you cannot connect the unit to the server using the HOME NETWORK function even if all settings have been correctly made, restart the server.
- ➔ Enter the Options menu and select [Display] – [Update info]. It may take a while before the server appears in the display.

The unit does not connect automatically to the server.

- ➔ If the unit is directly connected to the server with a cross cable, the unit may not be able to connect to the server. Make sure the unit is connected to the server through a hub.

The unit cannot be registered to a VAIO computer.

- ➔ Make sure the network connection is correctly made and check the following items.
 - Make sure if the check mark on “Release confirmation number” is deleted.
 - Make sure if the hub or broadband router is turned on. (Refer to the operating manuals supplied with the equipments being used.)
 - Make sure the broadband router is turned on before you turn on the unit.
 - Make sure network cables are being used to connect the unit, hub, or broadband router (pages 74, 75 and 79).
 - Make sure that the method for obtaining IP address is correct for your network environment (page 81).

The server you want to connect does not appear in the selectable server list display.

- ➔ Enter the Options menu and select [Display] – [Update info]. It may take a while before the server list is updated.
- ➔ Make sure that a “music server” (an application) is active in the connected server. If you are using VAIO Media, refer to the VAIO Media help.

It takes a while for the unit to connect to the server.

- ➔ If your Internet connection is not through a broadband router, it may take about 30 seconds after turning on the power for the unit to obtain an IP address and start connecting to the server.
- ➔ The IP address set for the unit is already being used by other device. Set a different IP address.

Connection to the server cannot be achieved or playback is not possible.

- ➔ If you add a broadband router after using the unit in the network connection without using a broadband router, the IP address may be changed automatically and the connection with the server may become impossible. In this case, go to the selectable server list display and update the setting to obtain a new IP address. (Refer to “The server you want to connect does not appear in the selectable server list display” on this page.)

The sound skips.

- ➔ Sound skipping may occur depending on the network environment.
- ➔ Sound skipping may occur when the server is running many applications. Close the other applications on the server.
- ➔ Sound skipping may be caused by electromagnetic waves when the unit is connected to a wireless network.

The audio format that appears on the unit is different from that on the server.

- ➔ The audio format for playback via a network is displayed on the unit. This may differ from the format displayed on the server.

“Incompatible format found.” appears in the display and the track cannot be played.

- ➔ Check to confirm whether the audio file on the server is damaged or erased. Refer to the operating manual of the server.
- ➔ Incompatible-format track is selected.

When the unit is used as a server

The unit cannot be found on the client side or the client cannot connect to the unit.

- ➔ Confirm that the network is correctly set. If it is not, the connection cannot be made.
- ➔ The server function on the unit may be set to off. Enter the Settings menu, select [Server setting], and set [Server function] to [Start] to start up the server function.
- ➔ The server has been set to refuse connection with the client. Confirm whether the client is registered or not with [Manual setting] in the server setting menu.
- ➔ A maximum of 20 connectable clients have been set. Delete unnecessary clients with [Manual setting] in the server setting menu.
- ➔ Depending on the network environment, automatic connection may not be allowed for the client. Register the client manually with [Manual setting] in the server setting menu.
- ➔ The server function on the unit is suspended if the unit is conducting one of the following operations. Reconnect to the clients after the respective operation has completed. Recording, importing, editing, manual analysis of music data for x-DJ, updating the system application, changing the display design, transferring audio data to a receiver system, or converting format.

Tracks on the unit do not appear on the client.

- ➔ When you want to play audio data that is in a format not supported by the client, select HOME NETWORK function on the unit. By doing this, however, the client becomes the only device that can connect to the unit.

The client cannot play tracks on the unit.

- ➔ The number of connectable clients that can play audio data on the server has already reached the maximum. Stop playback on unnecessary clients so that the desired client can play the data.
- ➔ Depending on your network environment, playback on multiple clients may not be possible. Playback on the desired client may become possible when you stop playback on an unnecessary client.
- ➔ Track information is updated after recording or editing has been performed. For this reason, the client may sometimes be unable to obtain the correct track information. If this is the case, the information on the client should be updated.

The SERVER indicator on the server remains lit even after the client has stopped playing. The number of connected clients that appear on the server does not match the actual number.

- ➔ This may occur, depending on when the server data is read by the client.

When using PARTY MODE

The unit cannot play the track that is currently being played by the “host”.

- ➔ The “host” is playing a track of which audio format cannot be played on the unit.
- ➔ It will take about 10 seconds before the playback sound is output.
- ➔ If a track is being played by the “host” at the time the unit enters PARTY MODE as a “guest”, the unit will not start playing from the middle of the track. The unit will start playing from the next track that the “host” plays.

Timer

The Recording Timer does not work.

- ➔ Set the date and time correctly (pages 26 and 86).
- ➔ A power failure occurred while the timer setting was in standby mode or the power cord was disconnected.
- ➔ The unit is being subjected to shocks or vibrations. Place the unit at a stable location.

Although the Wake up Timer has been set, the unit does not start playback at the specified time.

- ➔ Set the date and time correctly (pages 26 and 86).
- ➔ A power failure occurred while the timer setting was in standby mode or the power cord was disconnected.
- ➔ The unit is being subjected to shocks or vibrations. Place the unit at a stable location.

The contents recorded by the Recording Timer is not complete. Some of the material at the beginning or in the middle are missing.

- ➔ Set the date and time correctly (pages 26 and 86).
- ➔ A power failure occurred while the timer setting was in standby mode or the power cord was disconnected.
- ➔ You performed an operation, such as an editing operation, or you backed up the data shortly before the Recording Timer was activated.
- ➔ The unit was subjected to shocks or vibrations. Place the unit at a stable location.

Back up

The unit cannot connect to a shared folder on a computer.

- ➔ Enter the correct computer name, shared name and user name.
- ➔ Deactivate the Windows security function or the firewall function of the anti-virus software. After using the shared folder, make sure to reactive these functions.

After performing an incremental back up operation, the size of the backed up data is double that of the original.

- ➔ When the incremental backup was performed, the clock was incorrectly set (the clock was set to a time prior to the time the last back up was performed). Set the clock correctly and perform an incremental backup again (pages 105 and 106).
- ➔ Perform a full backup operation (pages 105 and 106).

During the restoration of audio data, a message similar to the following one may appear.

[The backup file that you have just been restored has been subjected to multiple restorations in the past. In the OpenMG system, restrictions may be placed on the restoration of copyrighted materials that have been restored 4 or more times. This message appears when the backup file you are using has been restored 4 or more times.]

- ➔ If a restored file becomes invalid due to a malfunction in a peripheral component or severe instability in the unit's system
 - Consult the local authorized service facility.
- ➔ If validation of a file fails even after many attempts at validations
 - Check the computer or hard disk drive containing the backup data for damage.

Moving track data

The sender and receiver fail to connect.

- ➔ Make sure to use a cross LAN cable to make connection.
- ➔ Confirm that the direction setting of two systems (the sender and the receiver) is correct.
- ➔ Confirm that moving track data is supported by both the sender and receiver systems.
- ➔ Moving track data is not possible when the receiver system is an older model than that of the sender system.

It takes a long time to connect.

- ➔ This sometimes happens when the sender system has a large amount of track data.

Others

The unit works poorly.

- ➔ The unit may be under the influence of static electricity or other factors. In this case, restart the unit. If the unit still works poorly, reset the unit (page 110).
- ➔ If any warning message appears, do as the message says.

Five alphanumeric digits appear in the display.

- ➔ The self-diagnosis function has activated (this page).

On/Standby indicator flashes (red).

- ➔ The speaker-protection function has been activated. In this case, disconnect the power cord from the wall outlet and check the speaker cable. If there are no abnormalities, such as a short-circuit, check that the On/Standby indicator is not lit, and then reconnect the power cord to the wall outlet.

The remote control does not work.

- ➔ The batteries are weak.
- ➔ There are no batteries inside.
- ➔ Point the remote control at the remote sensor of the unit (page 17).
- ➔ An inverter circuit for a fluorescent lamp is near the unit. Move the unit away from the circuit.

"Audio data is corrupted" appears in the display.

- ➔ Select [Repair].

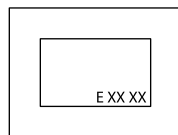
The unit vibrates or noise is heard from the ventilation hole.

- ➔ The vibration is caused by the fast rotation of the hard disk and the noise by the cooling fan. These are normal and not malfunctions.

Vibration or noise in the unit increases during recording of a CD.

- ➔ The hard disk rotates faster during CD recording than during CD playback, so the increase in vibration or noise is not a malfunction.
The amount of vibration or noise produced depends on the CD type.

About the self-diagnosis function



A service number consisting of five alphanumeric letters (e.g., E 00 11) appears in the display when the self-diagnosis function activates to prevent abnormal operation. When this

service number appears, consult the local authorized service facility and report this service number to the service personnel.

About repairing the hard disk drive

- The contents of the hard disk drive may be checked in case of repair or inspection during a malfunction or modification. However, the contents will not be backed up or saved by Sony.
- If the hard disk needs to be formatted or replaced, it will be done at the discretion of Sony. All contents of the hard disk drive will be erased, including contents that violate copyright laws.

Precautions

On safety

- Completely disconnect the power cord (mains lead) from the wall socket (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the unit, unplug the unit, and have it checked by qualified personnel before operating it again.
- The AC power cord can be changed only by a qualified service facility.

On placement

- Do not place the unit in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the unit or speakers on surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.
- If the unit is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the CD player, and cause the unit to malfunction. In this situation, remove the disc, and leave the unit turned on for about an hour until the moisture evaporates.

On heat buildup

- Heat buildup on the unit during operation is normal and is not cause for alarm.
- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not block the ventilation holes on the bottom of this unit. Doing so will prevent the heat produced by the unit's amplifier to build up, which may cause the unit to malfunction. Make sure these holes are free from any obstruction.

When moving the unit

Do not move the unit while a CD is inserted. Doing so may damage the CD.

On the speaker system

This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

On volume adjustment

CDs reproduce sound with considerably less noise than vinyl records. For this reason, if you raise the volume while listening to a segment containing only noise (as you might do in the case of a vinyl record), a sudden output of high-volume sound may cause damage to the speakers.

Make sure to lower the volume before the start of playback.

Consideration for others

Keep the volume at a moderate level out of consideration of your neighbors, especially at night.

About the Hard Disk Drive

Because of its high storage density, the hard disk can read and write data at very high speeds. It is, however, easily damaged by mechanical vibration, shock, or dust. Although the hard disk is equipped with safety mechanisms to prevent the loss of data due to these factors, the following precautions should be taken during the handling of the unit.

- Do not subject the unit to strong shocks or vibrations.
- Do not place the unit in a location subject to mechanical vibration or at an unstable location.
- Do not move the unit while the power cord is connected to a wall outlet.
- Do not disconnect the power cord while the unit is recording or playing a track.
- Do not use the unit in a place subject to extreme changes in temperature (a temperature gradient greater than 18°F (10°C)/hour).
- Do not attempt to replace or upgrade the hard disk drive by yourself, as this may cause the unit to malfunction.

Sony cannot provide compensation for any loss of data caused by a damaged hard disk drive.

On data back up

Audio data and system settings stored on the unit's hard disk may be lost during repairs done to the unit. Before taking the unit in for repairs, it is recommended that you record the settings on a piece of paper and that you use the Back Up function to back up the data to a shared folder on your computer or a USB hard disk drive (see "Backing up and restoring audio data" on page 104).

Data on the unit's HDD is subject to damage during normal operations. To prevent the loss of data, you should back up the data on a regular basis. Please note that we cannot take responsibility for any data that may be lost or affected during normal use or repairs.

Cleaning the cabinet

Clean this unit with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzine, or alcohol.

Note on the power cord

Before you unplug the power cord from the wall outlet, make sure that the unit is in standby mode (the On/Standby indicator is lit up red or orange). If you unplug the power cord while the unit is operating (the On/Standby indicator lit up green), data that was recorded may be lost or the unit may malfunction.

Notes on CDs

- Do not scratch or attach stickers to the surface of the disc.
- CDs with non-standard shapes (e.g., a star, heart, or square) cannot be played on this unit. Attempting to do so may damage the unit.
- When cleaning the disc, use a cleaning cloth and wipe the disc from the center out to the edge. If the disc is extremely dirty, wipe the disc with a slightly moistened cloth, followed by a dry cloth. Do not clean a disc with a benzine thinner, commercial cleaners or anti-static sprays intended for vinyl LPs.
- Do not place discs in hot places, including places exposed to direct sunlight, near heat sources such as hot air ducts, or inside parked cars.
- Do not use a rental or second-hand disc on which glue that spread from under the label attached to it. If you do, there is a chance that the disc may become stuck to parts within the unit, causing it to malfunction.
- Do not use a commercial cleaning disc as it may cause the unit to malfunction.

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Notes on playing MP3 discs

- This unit supports the MP3 format, a sampling rate of 32, 44.1, or 48 kHz and a bit rate of 32 to 320 kbps. If you play a disc recorded with a different sampling rate or bit rate on this unit, playback may stop, loud noises or sound skipping may occur, or the speakers may be damaged.
- If a file on a disc has an MP3 extension, but is not an MP3 file, the unit may skip that file or a malfunction may occur.
- This unit does not support files recorded in the MP3 Pro format.
- Under the following conditions, the actual elapsed time or the remaining time of an MP3 file may differ from the time displayed.
 - When playing a VBR (Variable Bit Rate) MP3 file
 - When performing a fast forward or fast rewind operation

About CDs

The unit CAN play the following discs

- CDs:
Music CDs, CD-Rs, CD-RWs and CD TEXT
- MP3 files:
CD-ROMs, CD-Rs and CD-RWs (recorded in a format conforming to the ISO 9660 Level 1 or 2, or Joliet standards).
Multisession CDs are supported.

Notes

- If the disc begins with a CD-DA (or “ATRAC”/MP3) session, it is recognized as a CD-DA (or “ATRAC”/MP3) disc, and other sessions are not played back.
- A disc with a mixed CD format is recognized as a CD-DA (audio) disc.
- Some CD-Rs or CD-RWs may not be played on this unit, depending on its characteristics and the recording conditions.
- CD-RWs may require some time before they begin to play. This is because they have a lower reflection index than other kinds of discs.
- In the case of discs containing more than 500 tracks of audio data, the unit will not recognize track 501 or above.
- Discs with many directories or a complicated structure may require some time before they start playing. When recording albums to a disc, it is recommended that recording will be done no deeper than the sub-directory 2 level.

Tip

For details on writing data to a disc, refer to the operating manual supplied with the CD-R/RW drive or software for burning data.

Specifications

Amplifier section

DIN power output (rated):
40 + 40 W (6 Ω at 1 kHz, DIN)

Continuous RMS power output (reference):
50 + 50 W (6 Ω at 1 kHz, 10 % THD)

Music Power output (reference):
50 + 50 W (6 Ω at 1 kHz, 10 % THD)

CD player section

System:
Compact disc and digital audio system

Laser Diode Properties:
Emission duration: continuous
Laser Output*¹: Less than 44.6 μW
*¹ This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response:
20 Hz - 20 kHz (±0.5 dB)

Total harmonic distortion:
Less than 0.1 %

HDD Jukebox section

Capacity:
80 GB*¹
*¹ A portion of the memory is used for system management functions. Actual available memory is approx. 68 GB (73,014,444,032 bytes).

Recording format:
MP3
Linear PCM

Importing format*¹:
MP3 (".mp3", ".oma")
Linear PCM (".wav", ".oma")
WMA (".wma", ".oma")
ATRAC (".oma")
*¹ This unit does not support the import of files in the following WMA formats: WMA Professional, WMA Lossless, WMA Voice, and files containing DRM (Digital Rights Management).

Maximum recording time (measured with ATRAC 48 kbps):
About 3,400 h

Maximum number of tracks:
40,000

FM tuner section

Tuner:
FM stereo tuner
Frequency range:
87.5 - 108.0 MHz (50 kHz step)

Antenna:
FM wire antenna

Antenna terminals:
75 Ω unbalanced

Intermediate frequency:
10.7 MHz

AM tuner section

Tuner:
AM tuner
Frequency range:
531 - 1,602 kHz (with the interval set at 9 kHz)

Antenna:
AM loop antenna

Antenna terminals:
External antenna terminal

Intermediate frequency:
450 kHz

DAB tuner section (UK model only)

Tuner:
DAB stereo tuner

Antenna:
DAB wire antenna

Antenna terminals:
75 Ω unbalanced

Frequency range:
Band-III: 174.928 (5A) – 239.200 (13F) MHz

DAB frequency table (Band-III):

Frequency	Label
174.928 MHz	5A
176.640 MHz	5B
178.352 MHz	5C
180.064 MHz	5D
181.936 MHz	6A
183.648 MHz	6B
185.360 MHz	6C
187.072 MHz	6D
188.928 MHz	7A
190.640 MHz	7B
192.352 MHz	7C
194.064 MHz	7D
195.936 MHz	8A
197.648 MHz	8B
199.360 MHz	8C
201.072 MHz	8D
202.928 MHz	9A
204.640 MHz	9B
206.352 MHz	9C
208.064 MHz	9D
209.936 MHz	10A
211.648 MHz	10B
213.360 MHz	10C
215.072 MHz	10D
216.928 MHz	11A

Frequency	Label
218.640 MHz	11B
220.352 MHz	11C
222.064 MHz	11D
223.936 MHz	12A
225.648 MHz	12B
227.360 MHz	12C
229.072 MHz	12D
230.784 MHz	13A
232.496 MHz	13B
234.208 MHz	13C
235.776 MHz	13D
237.488 MHz	13E
239.200 MHz	13F

Inputs/Outputs

MONITOR OUT (phono jack):

1 V_{p-p}, 75 Ω unbalanced (NTSC)

AUDIO IN (top: stereo mini jack) / AUDIO IN (rear: phono jacks):

Voltage 0.8 V (standard), impedance 10 k Ω (top) / 1.5 V (low sensitivity), impedance 10 k Ω (rear)

NETWORK port:

10BASE-T/100BASE-TX

USB port:

USB type A, Hi-Speed USB for connecting USB devices such as "WALKMAN"

DMPort

Output voltage: DC 5 V
The maximum output current: 700 mA

PHONES jack (stereo mini jack):

Accepts headphones of 8 Ω or more

Speaker

Speaker system:

2-way, bass-reflex type

Speaker units:

Woofers: 120 mm, cone type
Tweeter: 25 mm, soft dome type

Nominal impedance:

6 Ω

Dimensions (w/h/d)

Approx. 140 × 283 × 245 mm (including a grille)

Mass

Approx. 2.8 kg net per speaker

Wireless adaptor

Interface:

IEEE802.11 b/g-compliant
2.4 GHz radio frequency band

General

Power requirements:

230 V AC, 50/60 Hz

Power consumption:

65 W (0.5 W or lower at the standard (power save) mode)

Dimensions (w/h/d) (including projecting parts and controls):

UK model:

With the display window lowered:
approx. 285 × 143 × 317.4 mm

With the display window raised:
approx. 285 × 193 × 317.4 mm

Models except the UK model

With the display window lowered:
approx. 285 × 143 × 311 mm

With the display window raised:
approx. 285 × 193 × 311 mm

Mass (Approx.):

5.0 kg

Operating temperature:

+5 °C (+41 °F) to +35 °C (+95 °F)

Operating humidity:

25 % to 80 %

Supplied accessories:

See page 12.

Design and specifications are subject to change without notice.

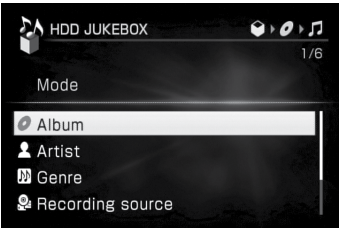


- Standby power consumption : 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Halogenated flame retardants are not used in cabinets.

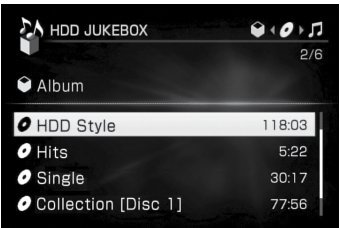
A list of directories for each listing mode

↓: Press ENTER or → to go to the next directory
↑: Press BACK or ← to go to the previous directory
⇓: Press ENTER to play the selected track.

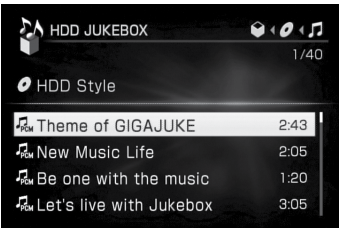
Album mode



List of albums (album directory)

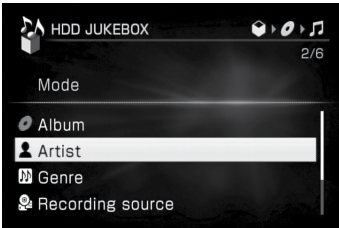


List of tracks (track directory)

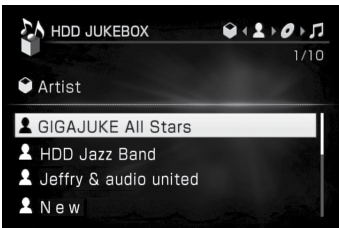


Playback display

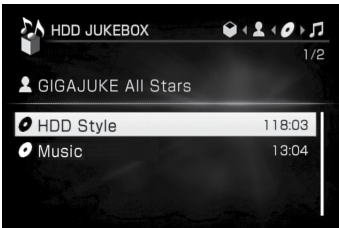
Artist mode



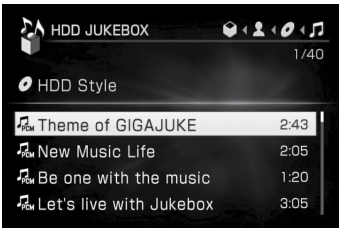
List of artists (artist directory)



List of albums (album directory)

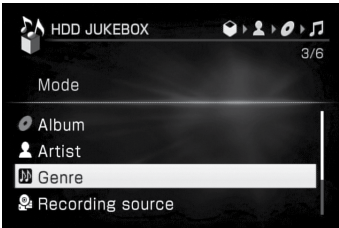


List of tracks (track directory)

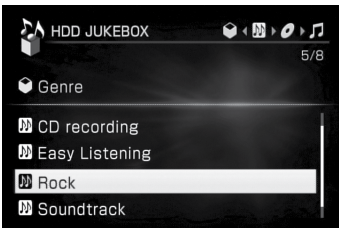


Playback display

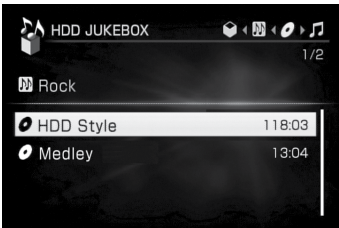
Genre mode



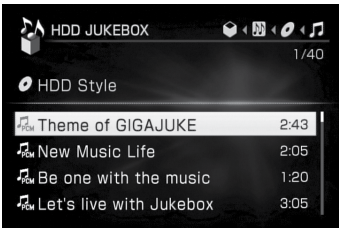
List of genres (genre directory)



List of albums (album directory)



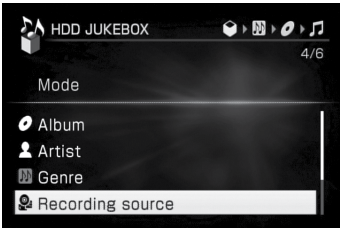
List of tracks (track directory)



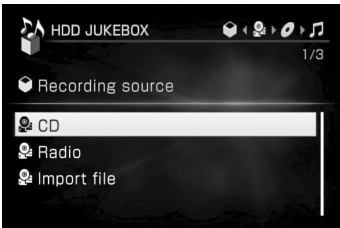
Playback display

↓: Press ENTER or → to go to the next directory
 ↑: Press BACK or ← to go to the previous directory
 ↓: Press ENTER to play the selected track.

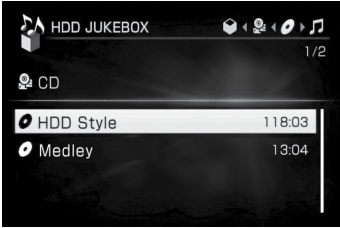
Recording source mode



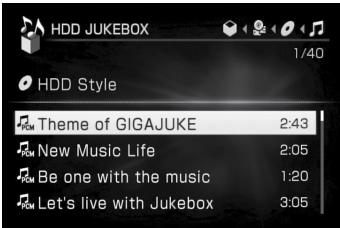
List of recording sources
 (recording source directory)



List of albums (album directory)

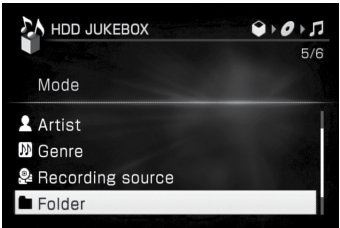


List of tracks (track directory)

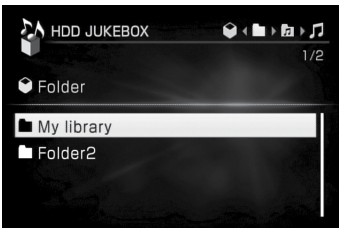


Playback display

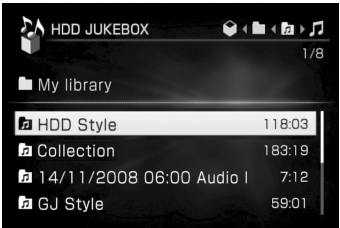
Folder mode



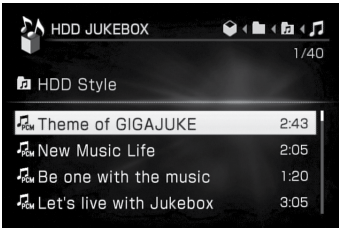
List of folders (folder directory)



List of groups (group directory)

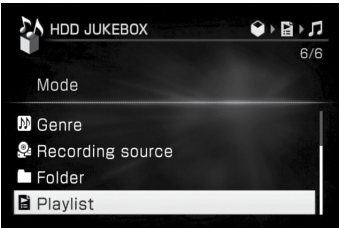


List of tracks (track directory)



Playback display

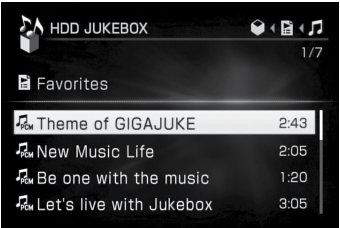
Playlist mode



List of playlists (playlist directory)



List of tracks (track directory)



Playback display

Glossary

ADSL

Abbreviation of Asymmetric Digital Subscriber Line. ADSL is one kind of broadband line. It relies on the conventional copper wires of telephone lines but supports transmission of large amounts of data by using the high-frequency bandwidth separate from audio signals. The upstream rate of communication (for data sent from the user's terminal) is slower than the downstream rate (sent from the provider to the user's terminal), hence the description "asymmetric". Transmission speeds vary depending on the contracted service.

ATRAC AD

Abbreviation for ATRAC Audio Device. A general term for devices that can play audio data in the ATRAC format.

ATRAC3

One of the "ATRAC" audio compression technologies developed by Sony which realizes high sound quality with approximately 10 times the compression rate of audio CDs.

ATRAC3plus

ATRAC3plus is an enhanced version of ATRAC3. It realizes 20 times the compression ratio of audio CDs, but with no loss in sound quality.

Bit rate

The bit rate is a measure of data volume expressed in bits per second (bps).

Broadband

General name for communication lines that use a broad frequency bandwidth for sending and receiving large amounts of video or audio data at high speed. Currently, ADSL, CATV, FTTH and other systems are identified as broadband.

Broadband router

For Internet connections through ADSL or a cable TV line, devices called ADSL modems or cable modems are used. However, for Internet access from multiple terminals connected at once, a broadband router is used.

Byte

One of the fundamental units used to express digitized data in computers. Digitized data is commonly expressed in binary digits (zeros and ones). A single unit of data is one bit. One byte consists of eight bits.

CD TEXT

CD TEXT refers to an audio CD with text information, including disc name, artist names and track names.

Condensation

Condensation occurs inside the unit during where there is a quick rise in temperature, as when a heater is turned on. If condensation occurs, keep the unit turned off until the moisture evaporates.

DHCP

Abbreviation of Dynamic Host Configuration Protocol. A system for automatically allocating configuration data required for an Internet connection.

DLNA

Abbreviation of Digital Living Network Alliance. The DLNA is a nonprofit organization that establishes design guidelines for digital content shared over networks. For details, see <http://www.dlna.org/en/consumer/home>

DMPort

DMPort (DIGITAL MEDIA PORT) allows the connection of a DIGITAL MEDIA PORT adapter which lets you directly connect and listen to compatible digital media players.

DNS

Abbreviation of Domain Name System. A server that translates domain names to IP addresses, or IP addresses to domain names. A DNS is identified by an IP address. Also called a "DNS server".

Ethernet

A method of networking computers in a Local Area Network (LAN). Developed by Xerox Corporation, Ethernet has become a very popular means of creating LANs.

Hard Disk

A high-volume, digitally encoded storage device used in computers and other digital devices. By combining a magnetic disk and drive mechanism into an integrated unit, hard disks are capable of very fast data writing and reading and boast superb data search capabilities.

ID3

ID3 is information (such as the track name or artist name) that is recorded in an MP3 file. The ID3 tag is used by this unit to display track information for MP3 files.

Internet

A communication network linking computers around the world. The Internet supports many services, including email and search engines.

Internet Service Provider

A company that offers connection service to the Internet.

IP address

IP addresses usually comprise four groups of up to three digits each, separated by a period (such as 192.168.239.1). All devices on a network must have an IP address.

ISO9660

A standard of the International Organization for Standardization (ISO) that defines the file system of CD-ROM media.

LAN

Abbreviation of Local Area Network.

LAN is a general name for networks set up for communication among devices including computers, printers, and fax machines in relatively small areas such as offices or buildings.

Linear PCM

Linear Pulse Code modulation, a digital, non-compression audio coding system used in this unit for recording at 16 bits and a sampling rate of 44.1 kHz (same as the standard for audio CDs).

MP3

Abbreviation of MPEG-1 Audio Layer3. It is a standard for audio file compression determined by the MPEG (Motion Picture Experts Group), an ISO (International Organization for Standardization) working group. It enables compression of audio files to about 1/10 of the data size of a standard compact disc. Since the MP3 encoding algorithm is disclosed, there are various encoders/decoders that are compliant with this standard. The MP3 standard is therefore widely used in the computer field.

MSC

MSC refers to the USB Mass Storage Class in this unit. MSC is a data transfer protocol defined by the USB Implementers Forum for the transfer of data via the USB to external devices. It is used in USB hard disks and USB memories, etc.

MTP

Abbreviation for Media Transfer Protocol.

MTP is a data transfer technology developed by Microsoft Corporation. This protocol allows you to transfer image data, audio data, video data, etc. to compatible portable devices.

Proxy

A program or a server that provides Internet access to computers within a firewall or quicker downloading of web pages.

Router

A device that bridges networks, converting the protocols and addresses of each network. Recently, dial-up routers for connecting to ISDN lines and broadband routers for ADSL and CATV networks have been introduced. The term "router" by itself may refer to any of these devices.

Sampling frequency

When audio sources are converted from analog to digital data, they must be changed into numbers (digitized). This process is called sampling, and the sampling frequency refers to the number of times per second that the signals are measured for the recording. Music CDs are sampled at 44,100 times per second, so the sampling frequency is expressed as 44.1 kHz. Generally, the higher the sampling frequency, the higher the fidelity of the recording.

USB storage

In this manual, USB storage refers to a mass storage device that supports the USB Mass Storage Class standard. These devices, such as a USB audio player, can be connected to the USB jack on the unit or a computer and used as a removable mass storage device.

VAIO Media

VAIO Media is home networking software that is provided on Sony VAIO computers. A computer must have VAIO Media Version 4.1 or later to be connected to this unit.

WAV

WAV is a file format developed by Microsoft Corporation and IBM Corporation for the storage of digital audio data. A variant of RIFF (Resource Interchange File Format), WAV is simply a container format that can be used to store data in a variety of configurations, including Linear PCM.

WMA

Abbreviation of Windows Media Audio. WMA is the audio compression technology developed by Microsoft Corporation that allows audio files to be compressed to about 1/22 of the data size of a standard compact disc.

DAB (Digital Audio Broadcasting)-related terms (UK model only)

Dynamic label segment

The text data transmitted for each channel or service.

Ensemble label

In DAB, multiple digital radio channels are transmitted using a single radio transmission or frequency. A group of channels sent this way is called an “ensemble” and “ensemble label” is the name of such a group.

Service label

The name of an individual digital radio channel or service.

List of input characters

A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z a b c d
e f g h i j k l m n o p q r s t u v w
x y z À Á Â Ã Ä Å Æ Ç È É Ê Ë
Ì Í Î Ï Ð Ñ Ò Ó Ô Õ Ö Ø Ù Ú Û
Ü Ý Þ à á â ã ä å æ ç è é ê ë ì í
î ï ð ñ ò ó ô õ ö ø ù ú û ü ý þ ÿ 0
1 2 3 4 5 6 7 8 9 ! " # \$ % & ' ()
* + , - . / : ; < = > ? @ [\] ^ _ ` {
| } ~ ¡ ¢ £ ¤ ¥ ¦ § ¨ © ª « ¬ ® ¯ °
± ² ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾ ¿ × ÷

Index

Symbols

12 Tone Analysis 45

A

Album 43, 48, 61

Search 44

AM loop antenna 12

AOSS 75

Artist 43, 48, 61

ATRAC/ATRAC3/ATRAC3plus
18, 28

Audio CD 51

Audio format 28, 29, 34, 71, 94

AUDIO IN jack 21, 59

Automatic analysis 23, 45

Automatic title adding 31

Auto tuning 54

B

Back up 104, 122

Full backup 105, 106

Incremental backup 105, 106

BAND 98

Bit rate 29, 71

Brightness 13

Broadband router 79, 128

C

Cassette deck 59

CD 123

Playback 51

Recording 33

CD-R/CD-RW 51, 123

CD TEXT 53, 128

Client 88, 93

Clock 26, 86

Combine 69

Connections 20

DMPort 58

External component 59

Wired network 78

Wireless network 75

Convert 71

D

DAB 130

Preset 56

Receive 55

Scan 54

DAB wire antenna 12

Date format 26

Default gateway 82

Delete

Folder/Album/Group/Track
67

Image file 65

Playlist 40, 67

Timer setting 99

Track on the destination
device 40

DHCP 128

DIGITAL MEDIA PORT

adapter 58

Directory 18

Display 18

Demonstration 102

Design 101

Menus 19

Screen saver 101

Size 101

Display language 25

Divide 68

DLNA 93, 128

DLS 56

DMPort 58

DNS server 128

DSGX 14

E

External component

AUDIO IN 59

DMPort 58

F

FAT32 104

Favorites channel 49

FM/AM 97

Preset 56

Receive 54

FM mode 55

FM wire antenna 12

Folder 43, 62

Format

System 108

USB hard disk 107

G

Genre 43, 62

Gracenote® Music Recognition
Service 84

H

Hard Disk capacity 124

Hard disk drive 4, 104, 120

Home menu 19

Home Network 87

Client 93

PARTY MODE 91

Server 89

I

ID3 53, 129

Illumination panel 17

Image file 64

Import

Computer 35, 85

Importable audio format 34

USB storage 34

“WALKMAN” 34

Initial setting 23

Input language 72

Input sensitivity 60

Internal fan 23

Internet 83

IP address 82, 129

L

LEVEL SYNC 30

Linear PCM 18, 69, 129

List display 18

Listening

AUDIO IN 59

CD 51

DAB 55

DMPort 58

HDD Jukebox 41

Home Network 87

Radio 54

x-DJ 45

Listing mode 43

M

- Main display 18
- Manual analysis 45
- Mode
 - Listing mode 43
 - Play mode 61
 - Repeat mode 62
 - Text input 73
- Moisture condensation 121
- MONITOR OUT jack 22
- Move 49, 68, 108
- MP3 18, 29, 37, 71
 - Directory structure 51
- MSC 129
- MTP 129
- Music Surfin' 46, 48
- Mute 14
- My library 32

N

- Network
 - AOSS 75
 - Auto setting 79
 - Checking the status 81
 - Manual setting 76, 79
 - S-IWS 75
 - Wired 78
 - Wireless 75
- Network cable 79
- NTP 86

O

- On/Standby indicator 17, 24, 102
- Operation modes 23
- Options menu 19

P

- PARTY MODE 91
 - Join 91
 - Leave 91
 - Start 91
 - Stop 91
- PC shared folder 85
 - Back up 105
 - Import 35, 85
 - Saving images 64
 - Setup 103
- Playback
 - CD 51
 - HDD Jukebox 41
 - Home Network 93
 - Listing mode 43
 - Play area 61
 - Play mode 61
 - Repeat 62
 - Wake Up Timer 96
 - x-DJ 45

- Playlist 43, 62, 66
- Power 23
- PRESET EQ 14
- Proxy 82, 129

Q

- Quick start-up mode 23, 102

R

- Recording
 - CD/Radio/DAB/External device 33
 - Computer 35
 - Recording Timer 97
 - USB device 40
 - "WALKMAN" 34
- Recording Timer 97
- Registration
 - Clients 90
 - Favorites channel 49
 - Image files 64
 - Playlist 42
 - Radio station 56
 - Title information 63
- Remote control 13
 - Inserting batteries 22
- Repeat mode 62
- Reset 110
- Restoring data 106

S

- S-IWS 75
- Screen saver 101
- Search 44, 84
- Self-diagnosis function 120
- Server
 - Automatic connection 89
 - Manual connection 90
- Server function 24, 87
- SERVER indicator 16, 89
- Setup
 - Clock 26
 - Display 101
 - FM mode 56
 - Input level 60
 - PC shared folder 103
 - Play mode 61
 - Record/Import 29
 - Recording destination 32
 - Settings menu 19
 - Standby mode 102
 - Title information 53
 - Transfer 38
 - Wired connection 78
 - Wireless connection 75
 - x-DJ 49
- Shuffle play 61
- Sleep Timer 95

- SMART SPACE 30
- Sort 44
- Sound monitoring 30
- Speaker pads 22
- Speakers 21
- Standard (power save) mode 23, 102
- Subnet mask 82
- Summer time setting 26, 86
- Supplied accessories 12
- Support site 4
- System management 104
 - Format 108
 - Update 108
 - Viewing information 107
- System version 107

T

- Text input 72
 - Copy/Cut/Paste 73
 - Text input display 72
- Time format 26
- Title information
 - Change 66
 - Obtain 52, 63, 84
 - View 53, 94
- Titles 66
- Track
 - Audio format 29, 34, 71, 94
 - Combine 69
 - Convert 71
 - Delete 40, 67
 - Divide 68
 - Icon 18, 37
 - Move 49, 68
 - Search 44
- Track mark 30
- Transfer
 - Audio format 28
 - Portable device 36
 - Setup 38
 - Track icon 37
 - TRANSFER button 36
 - Transferrable unit 28
 - USB storage 37
 - "WALKMAN" 36
 - x-DJ channel 50

U

- USB hard disk 104, 107
- USB storage
 - Import 34
 - Saving images 64
 - Transfer 37

V

Viewing information

CD 53

DAB 55

FM/AM 56

HDD Jukebox 42, 94

Playlist 94

W

Wake Up Timer 96

“WALKMAN”

Import 34

Transfer 36



WAV 34

WMA 18, 28, 34

X

x-DJ 45

Trademarks, etc.

- This software is based in part on the work of the Independent JPEG Group.
- ATRAC and **ATRAC** are trademarks of Sony Corporation.
- “WALKMAN”,  **WALKMAN**, and  are registered trademarks of Sony Corporation.
- “GIGA JUKE” and its logo are trademarks of Sony Corporation.
- US and foreign patents licensed from Dolby Laboratories.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Microsoft, Windows, Windows Vista, Windows Media are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.
- “AOSS” is a trademark of Buffalo Inc.
- The font type (Shin Go R) installed in this unit is provided by MORISAWA & COMPANY LTD. These names are the trademarks of MORISAWA & COMPANY LTD., and the copyright of the font also belongs to MORISAWA & COMPANY LTD.
- Built with Linter Database.
Copyright © 2006-2007, Brycen Corp., Ltd.
Copyright © 1990-2003, Relex, Inc., All rights reserved.
- Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.
CD and music-related data from Gracenote, Inc., copyright © 2000-2008 Gracenote. Gracenote Software, copyright © 2000-2008 Gracenote. This product and service may practice one or more of the following U.S. Patents: #5,987,525; #6,061,680; #6,154,773; #6,161,132; #6,230,192; #6,230,207; #6,240,459; #6,330,593, and other patents issued or pending. Some services supplied under license from Open Globe, Inc. for U.S. Patent: #6,304,523.
Gracenote and CDDb are registered trademarks of Gracenote. The Gracenote logo and logotype, and the “Powered by Gracenote” logo are trademarks of Gracenote.



Gracenote® End User License Agreement

This application or device contains software from Gracenote, Inc. of Emeryville, California (“Gracenote”). The software from Gracenote (the “Gracenote Software”) enables this application to perform disc and/or file identification and obtain music-related information, including name, artist, track, and title information (“Gracenote Data”) from online servers or embedded databases (collectively, “Gracenote Servers”) and to perform other functions. You may use Gracenote Data only by means of the intended End-User functions of this application or device.

You agree that you will use Gracenote Data, the Gracenote Software, and Gracenote Servers for your own personal non-commercial use only. You agree not to assign, copy, transfer or transmit the Gracenote Software or any Gracenote Data to any third party. **YOU AGREE NOT TO USE OR EXPLOIT GRACENOTE DATA, THE GRACENOTE SOFTWARE, OR GRACENOTE SERVERS, EXCEPT AS EXPRESSLY PERMITTED HEREIN.**

You agree that your non-exclusive license to use the Gracenote Data, the Gracenote Software, and Gracenote Servers will terminate if you violate these restrictions. If your license terminates, you agree to cease any and all use of the Gracenote Data, the Gracenote Software, and Gracenote Servers. Gracenote reserves all rights in Gracenote Data, the Gracenote Software, and the Gracenote Servers, including all ownership rights. Under no circumstances will Gracenote become liable for any payment to you for any information that you provide. You agree that Gracenote, Inc. may enforce its rights under this Agreement against you directly in its own name.

The Gracenote service uses a unique identifier to track queries for statistical purposes. The purpose of a randomly assigned numeric identifier is to allow the Gracenote service to count queries without knowing anything about who you are. For more information, see the web page for the Gracenote Privacy Policy for the Gracenote service.

The Gracenote Software and each item of Gracenote Data are licensed to you “AS IS.” Gracenote makes no representations or warranties, express or implied, regarding the accuracy of any Gracenote Data from in the Gracenote Servers. Gracenote reserves the right to delete data from the Gracenote Servers or to change data categories for any cause that Gracenote deems sufficient. No warranty is made that the Gracenote Software or Gracenote Servers are error-free or that functioning of Gracenote Software or Gracenote Servers will be uninterrupted. Gracenote is not obligated to provide you with new enhanced or additional data types or categories that Gracenote may provide in the future and is free to discontinue its services at any time.

GRACENOTE DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. GRACENOTE DOES NOT WARRANT THE RESULTS THAT WILL BE OBTAINED BY YOUR USE OF THE GRACENOTE SOFTWARE OR ANY GRACENOTE SERVER. IN NO CASE WILL GRACENOTE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR ANY LOST PROFITS OR LOST REVENUES.

The system names and product names indicated in this manual are generally the trademarks or registered trademarks of the manufacturer.

™ and ® marks are omitted in this manual.